LICENSE DASHBOARD™
Software Asset Management : Simplified

Data Cleanse EXE & MSI

Data Cleanse EXE & MSI User Guide

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DATA CLEANSE EXE & MSI OVERVIEW

License Dashboard Data Cleanse EXE & MSI are tools which allow our partners to work with software install data on behalf of their clients. The applications are based on the data cleanse process in License Manager and allows organizations to perform data cleansing for multiple clients, working from a single dictionary.

Key features of Data Cleanse EXE & MSI

- Imports software audit data from multiple clients.
- Cleanses both MSI and EXE install data using sophisticated product matching techniques.
- Allows data cleansing for multiple clients within a single database and a single dictionary.
- Exports cleansed data, ready for import into a License Manager database.

About the Application

Data Cleanse EXE and Data Cleanse MSI are windows applications. They both require a connection to the same SQL database in order to function. The SQL Server software can be installed on the same PC as the Data Cleanse EXE & MSI applications, or it can be installed on a remote computer.

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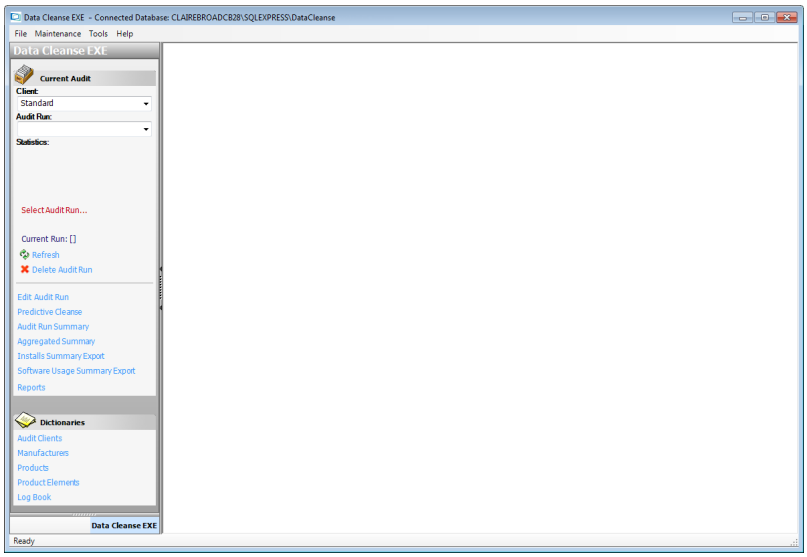
DATA CLEANSE EXE USER MANUAL

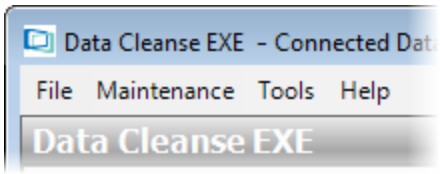
How to Navigate Data Cleanse EXE

The functions of Data Cleanse EXE are organized into menus, tabs and windows.



Top Level Menus

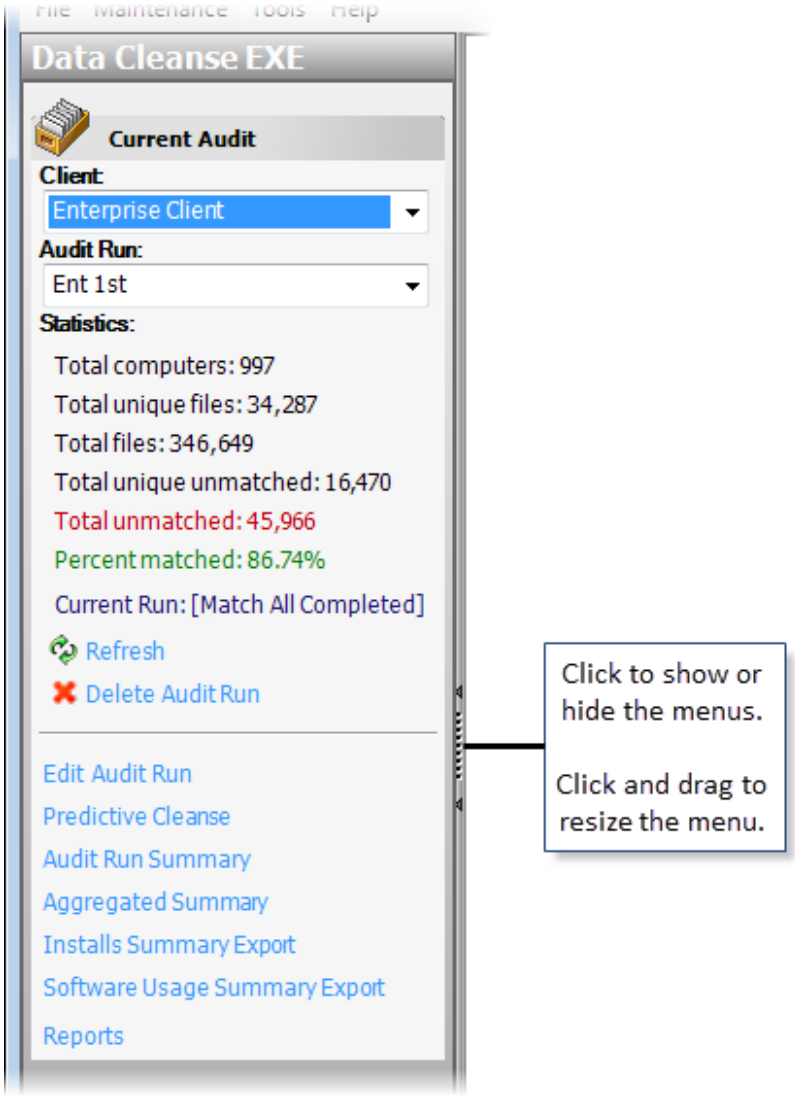
The top level menus provide tools to manage access to the database, dictionaries and tasks involving multiple Audits.



- Use the File menu to configure Data Cleanse EXE.
- Use the Maintenance menu to manage the datasets in the SQL database.
- The Tools menu provides additional tools for working with Audit data.
- The Help menu provides support information for Data Cleanse EXE.

Current Audit Menu

The Current Audit menu provides tools for working with data in an Audit Run.



Please note, Audit Runs are created using the Import Audit Data tool.

How to Select an Audit Run

1. Select a **Client**. The Audit Run field is updated with Audit Runs assigned to the Client.
2. Select an **Audit Run**. The Audit Run **Statistics** are displayed below.

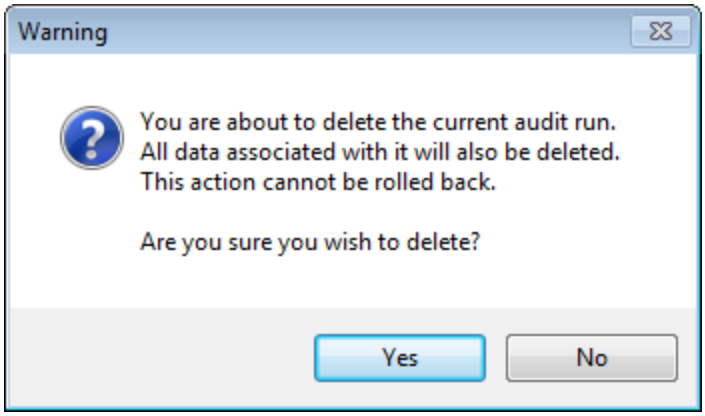
- **Total computers** displays the number of devices in the Audit Run.
- **Total unique files** displays the total number of unique EXE or MSI signatures on all devices in the Audit Run. The signature header details are considered unique. The unique signature may appear on multiple devices, but it is only counted once.
- **Total files** displays the number of EXE or MSI signatures discovered in the Audit Run.
- **Total unique unmatched** displays the number of unique EXE or MSI signatures which have not been mapped to a product in the dictionary.
- **Total unmatched** displays the number of EXE or MSI signatures which have not been mapped to a product in the dictionary.
- **Percentage matched** displays the percentage of EXE or MSI files which have been matched to products in the dictionary.

Refreshing Audit Data

1. Click **Refresh**. The Audit Run statistics are updated to reflect any edits made to Audit Run data.

How to Delete an Audit Run

1. Select a **Client**. The Audit Run field is updated with Audit Runs assigned to the Client.
2. Select an **Audit Run**.
3. Click **Delete**. A warning message is displayed.


Warning
You are about to delete the current audit run.
All data associated with it will also be deleted.
This action cannot be rolled back.
Are you sure you wish to delete?
Yes
No

4. Click **Yes**.

How to Edit Audit Run Data

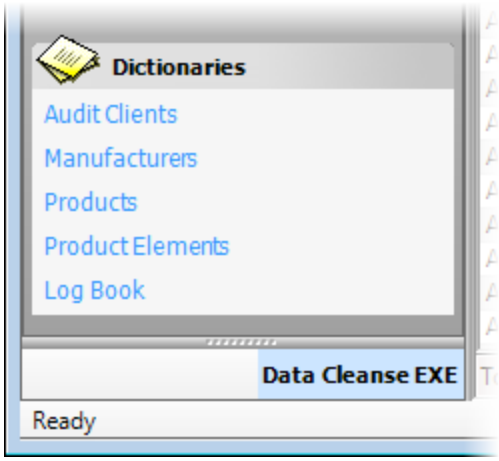
The options at the bottom of the Current Audit Menu are used to edit Audit Run data.

- The Edit Audit Run tab allows you to map EXE signatures to products in the dictionary.
- The Predictive Cleanse tab allows you to map EXE signatures to products in the dictionary.
- The Audit Run Summary tab displays all devices in the Audit Run. This shows every product installed on every device.
- The Aggregated Summary tab displays all products in the Audit Run. This shows number of devices where each product has been installed.
- The Installs Summary Export window allows you to export a summary of all products installed on devices in the Audit Run.
- The Software Usage Summary Export window allows you export a summary of software usage in the Audit Run.
- The Reports tab allows you to generate reports.

Dictionaries Menu

The Dictionaries menu shows dictionary information in the SQL database.

Please note, Dictionaries are imported using the Import Master Dictionary tool.

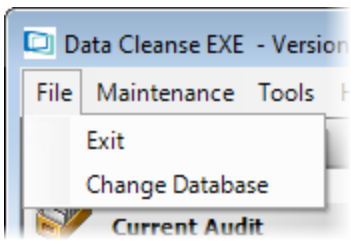


- Audit Clients shows all clients in the database.
- Manufacturers shows all manufacturer details in the dictionary.
- Products shows all product details in the dictionary.
- Product Elements shows all EXE signatures mapped to products in the dictionary.
- The Log Book allows you to generate reports on changes made to the dictionaries.

Data Cleanse EXE Menus

File Menu

There are two options in the File menu.



- Click **Exit** to close Data Cleanse EXE.
- Click Change Database to connect to a different SQL Server database or instance.

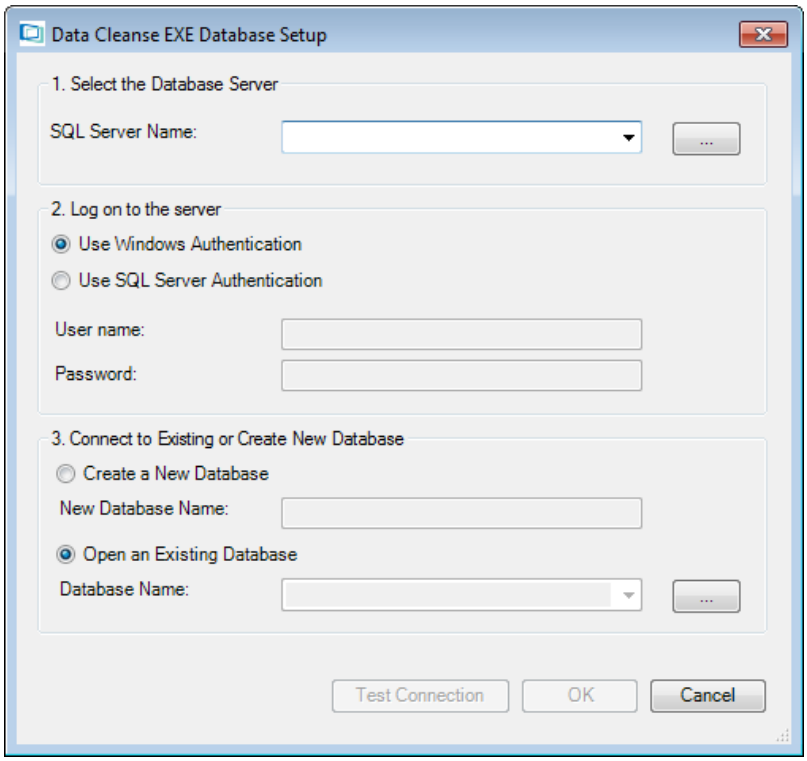
Change Database

Use the Change Database tool to connect to a SQL Database. You need to know:

- The name of the SQL Server it is running on.
- The name of the **instance** it is installed as.

Please Note, if you change database you will not be able to access the clients or audit runs in the current database.

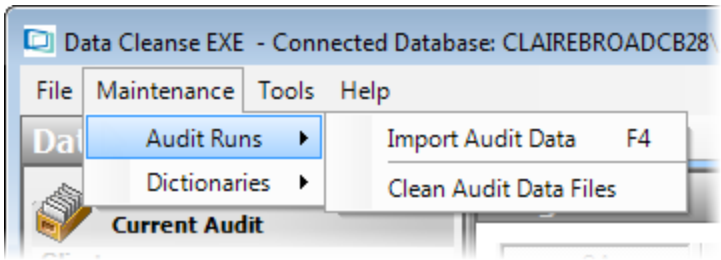
1. Click **File > Change Database**. The Data Cleanse EXE Database Setup window is displayed

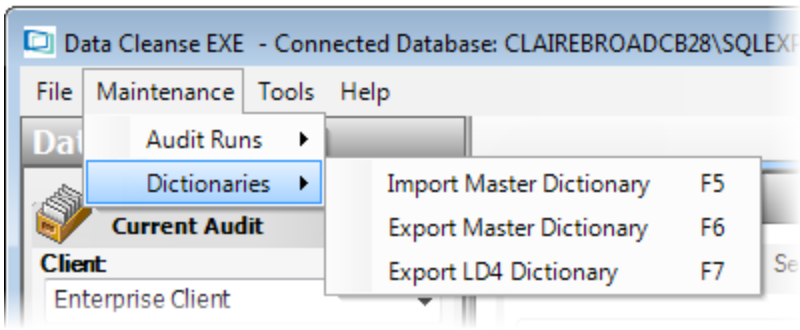


2. Type in the **Server Name**. The correct format is **SQL-SERVER-COMPUTER-NAME\INSTANCE-NAME**. Alternatively, click the square button to the right of the field to search for one.
3. Select the authentication type that will be used to log on to the SQL Server.
4. If you are creating a new database and type in the **New Database Name**. If you have an existing database, select **Open an Existing Database** and select it from the drop-down list.
5. Click the **Test Connection** button to verify the entered details are correct. If successful, a Success message will be displayed. If there is a problem, an error message will appear. Click **OK** to close the message.
6. Click **OK**.

Maintenance

There are five options in the Maintenance menu.



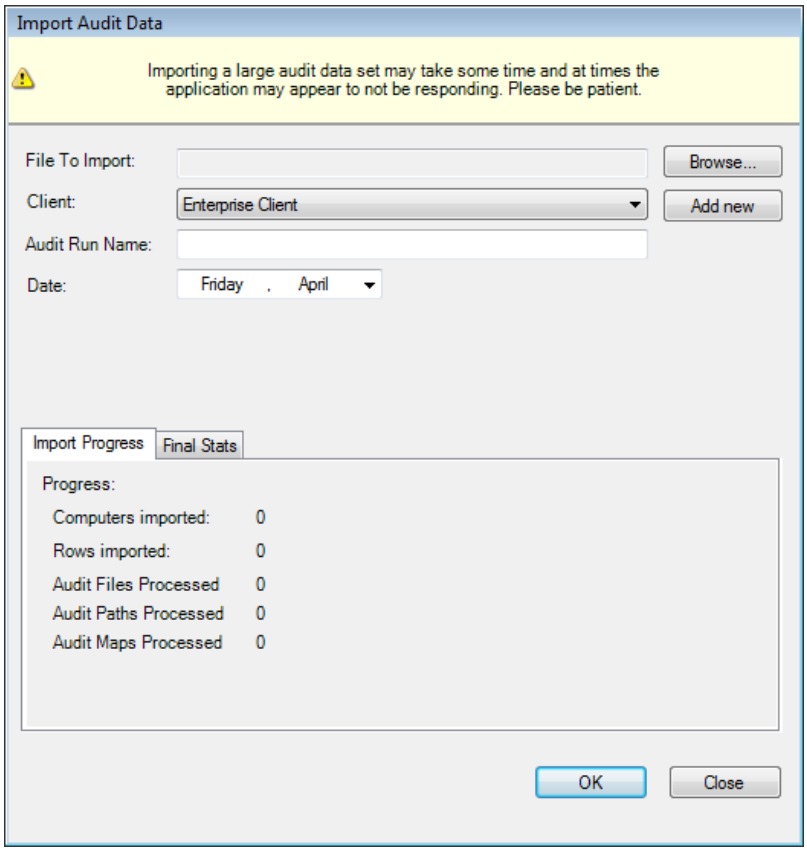


- Click Import Audit Data to import raw EXE signature data extracted by a software discovery tool.
- Click Clean Audit Data Files to cleanse the SQL database of deleted audit data.
- Click Import Master Dictionary to update or replace the Dictionaries.
- Click Export Master Dictionary to save a copy of the changes made to your Dictionary since it was imported.

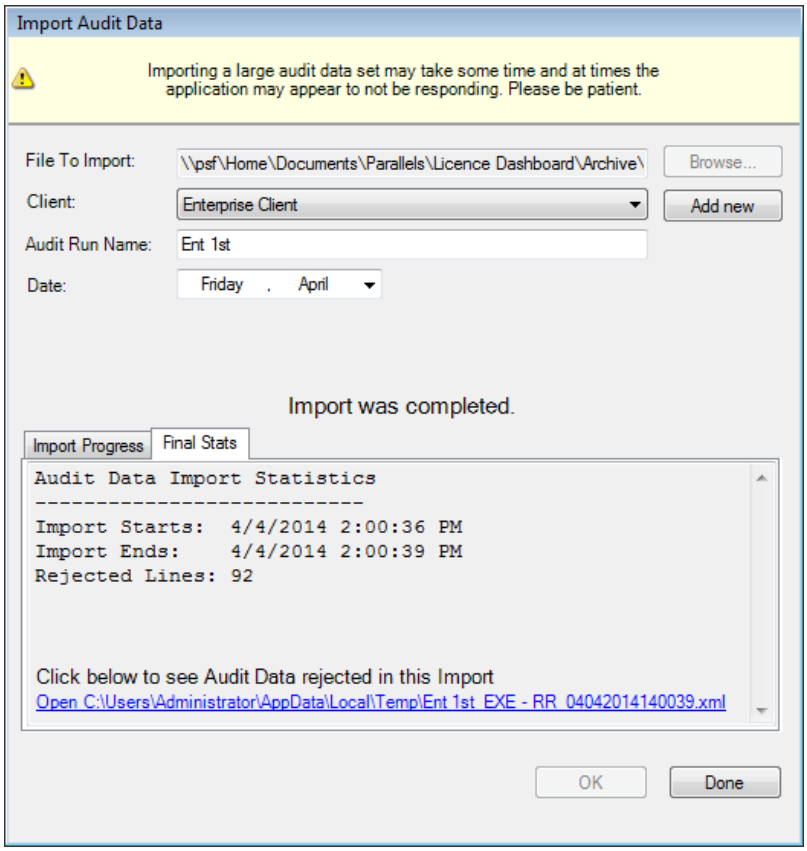
Import Audit Data

Use the Import Audit Data tool to import raw EXE signature data extracted by a software discovery tool. The data must be saved in a .XML file format.

1. Click **Maintenance > Audit Runs > Import Audit Data** or press **F4**. The Import Audit Data window is displayed.



2. Click **Browse**. Navigate to where the EXE data file is saved. Select it and click **Open**.
3. Select a **Client** from the drop down list. Or, click **Add new** to add a new client to the database, type the **New client name** and click **OK**.
4. Type an **Audit Run Name**.
5. Select a **Date**.
6. Click **OK**. The progress of the import is displayed. The Final Stats tab is displayed when the import is complete.



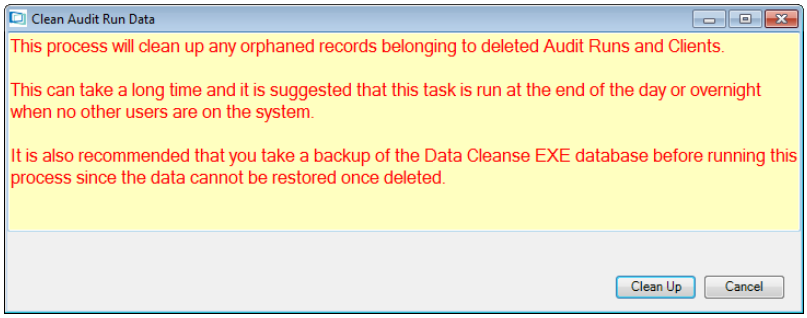
- An XML file is generated to show any audit data within the import file which has been rejected. Click the link to view the details.

7. Click **Done**.

Clean Audit Data Files

When Audit Runs are deleted from the SQL database, it may be possible to recover it. Use the Cleanse Audit Data Files tool to cleanse the database and prevent any data recovery. *Please note, this process can take a long time to complete. It is recommended to run this tool overnight.*

1. Click **Maintenance > Audit Runs > Clean Audit Data Files**. The Clean Audit Run Data window is displayed.

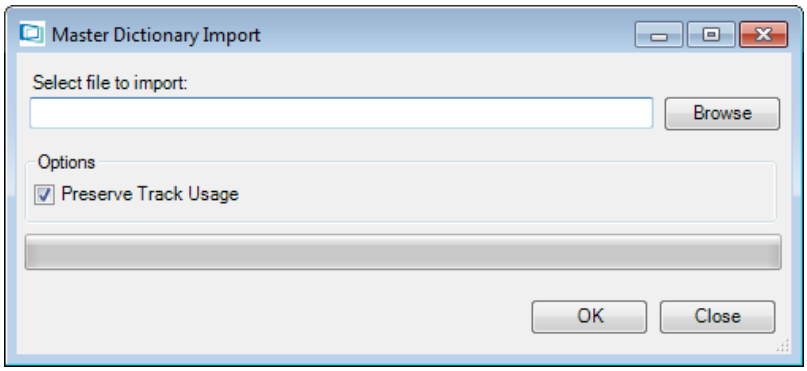

Clean Audit Run Data
This process will clean up any orphaned records belonging to deleted Audit Runs and Clients.
This can take a long time and it is suggested that this task is run at the end of the day or overnight when no other users are on the system.
It is also recommended that you take a backup of the Data Cleanse EXE database before running this process since the data cannot be restored once deleted.
Clean Up
Cancel

2. Click **Clean Up**.

Import Master Dictionary

Use the Import Master Dictionary task to update or replace the current Dictionary. *Please note, this updates the dictionaries in the SQL database. This dictionary is also used by Data Cleanse MSI if it is connected to the same database.*

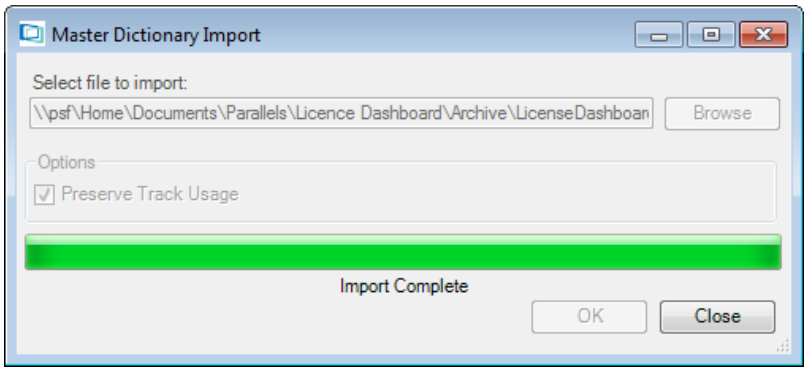
1. Click **Maintenance > Dictionaries > Import Master Dictionary** or press **F5**. The Master Dictionary Import window is displayed.



2. Click **Browse**. Navigate to where the file is saved the file, select it and click **Open**.
3. Select the import options.

- Tick **Preserve Track Usage** to preserve the track usage settings of all products in the current dictionary.

4. Click **OK**. A progress bar is displayed. A message is displayed when the task is complete.

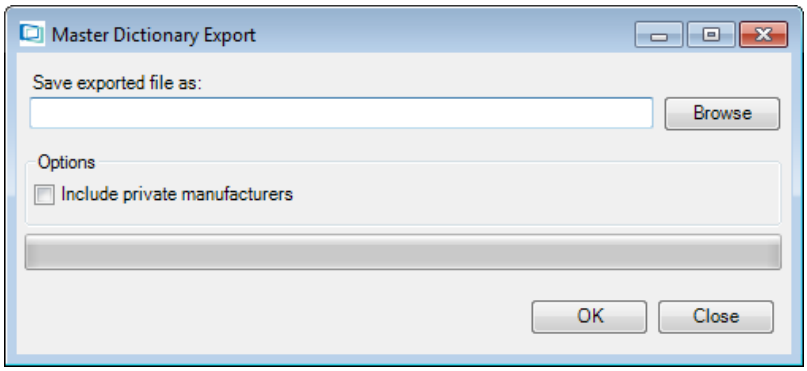


5. Click **Close**.

Export Master Dictionary

Use the Export Master Dictionary tool to save a copy of the changes made to your Dictionary since it was imported.

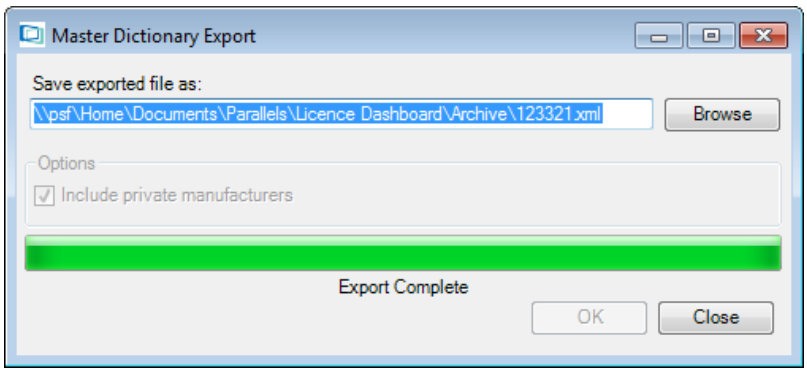
1. Click **Maintenance > Dictionaries > Export Master Dictionary**. The Master Dictionary Export window is displayed.



2. Click **Browse**. Navigate to where you want to save the file, name it and click **Save**.
3. Select the export options.

- Tick **Include private manufacturers** to include details of all manufacturers marked as private in the dictionary.

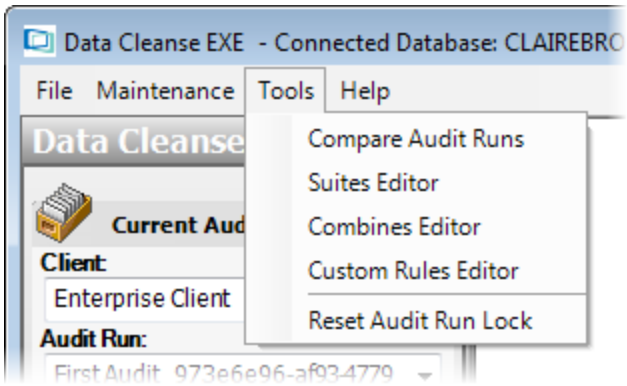
4. Click **OK**. A progress bar is displayed. A message is displayed when the task is complete.



5. Click **Close**.

Tools Menu

There are five options in the Tools menu.



- Click Compare Audit Runs to compare installed products in two different Audit Runs.
- Click Suites Editor to create and edit suites for use in the Audit Run Summary tab.
- Click Combines Editor to combine multiple suites or rules into one combined file.
- Click Custom Rules Editor to create and edit rules for use in the Audit Run Summary tab.
- Click Reset Audit Run Lock to reset a locked Audit Run.

Compare Audit Runs

Use the Compare Audit Runs tab to compare installed products in two Audit Runs. This is useful for tracking both software installations and removals between two Audit Runs.

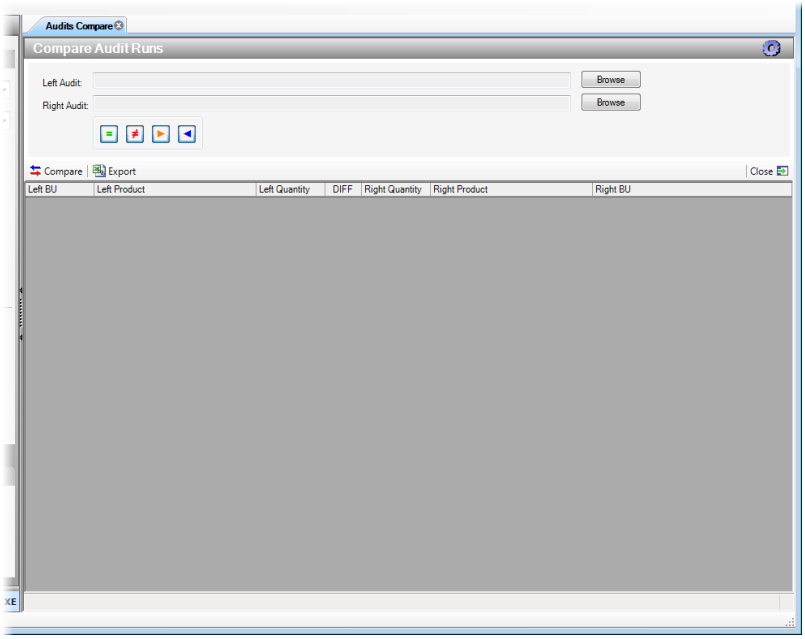
The Compare Audit Runs tab provides the following details.

- Products that have been installed between Audit Runs.
- Products that have been removed between Audit Runs.
- Changes in the number of times each product has been installed between Audit Runs.

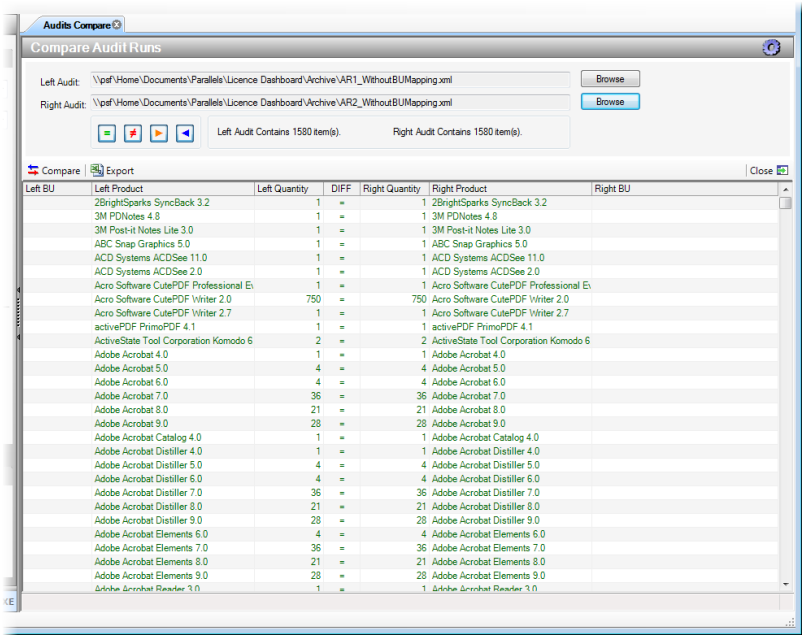
Please note: The Aggregated Summary tab is used to Export Installs for the Compare Audit Runs tab.

How to Compare Audit Runs

1. Click **Tools > Compare Audit Runs**. The Compare Audit Runs tab is displayed.



2. Click **Browse** in the Left Audit field. Navigate to where the Audit file is saved, select it and click **Open**.
3. Click **Browse** in the Right Audit field. Navigate to where the Audit file is saved, select it and click **Open**.
4. Click **Compare**. The results are displayed.



- Click **Export** to exports the results as a .CSV file. Navigate to where you want to save the file, name it and click **Save**.
- Click **Close** to close the tab.

The list can be filtered.

- Click the equal symbol to show all products that are equal in quantity between the two audit runs.
- Click the not equal symbol to show all products that have different quantities between the two audit runs.
- Click the right arrow to show all products that are only in the right Audit Run.
- Click the left arrow to show all products that are only in the left Audit Run.

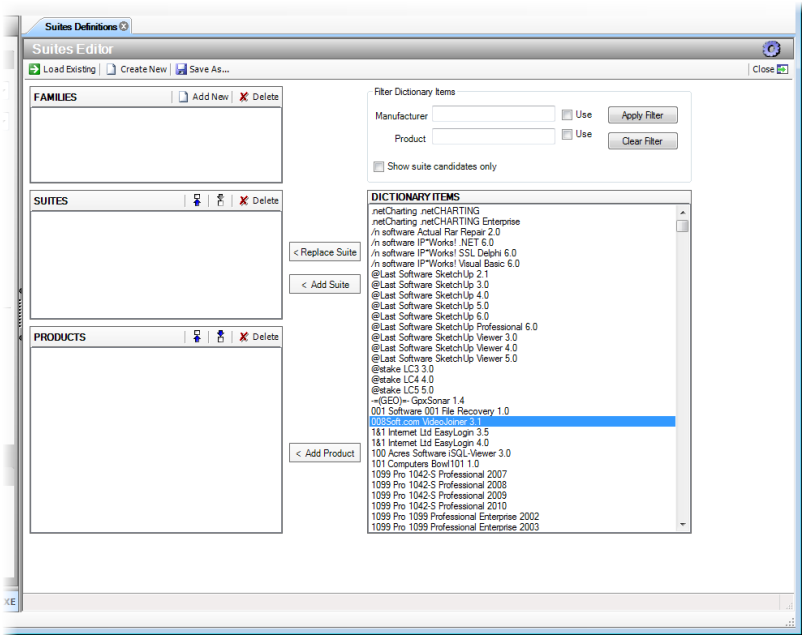
Suites Editor

The Suites Editor tool is used to create and edit suites.

Pre-defined suites can be downloaded from the License Dashboard website.

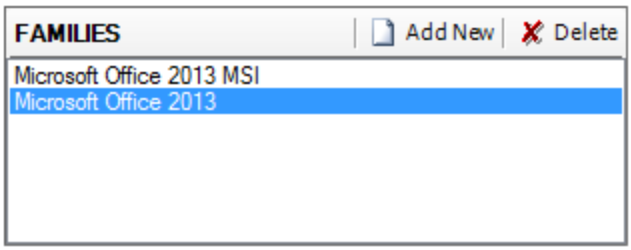
Suites are matched to discovered products in the Audit Run Summary tab.

Click **Tools > Suites Editor**. The Suites Editor tab is displayed.



How to Edit Suites

1. Click **Load Existing**. Navigate to where the Suite file is saved, select it and click **Open**. The details are displayed in the Families field.

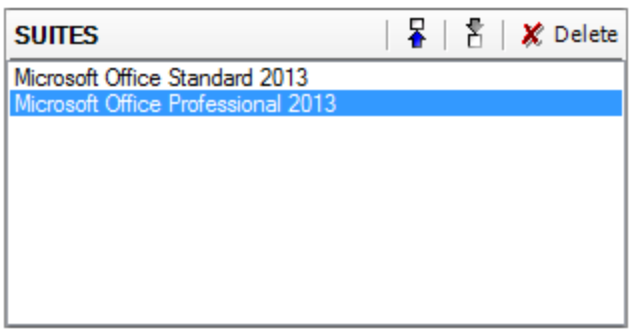


- Click **Add New** to add a new family. Type the **Manufacturer** name and **Family** name and click **OK**.

2. Select a **Family**.

- Click **Delete** to delete the Family.

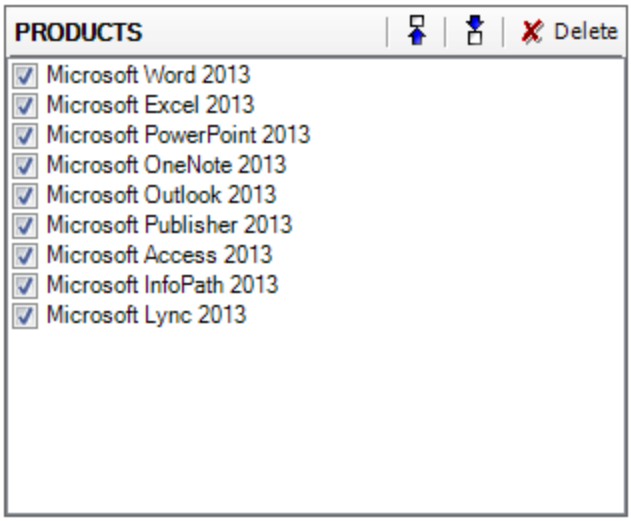
Suites in the Family are displayed in the Suites field.



2. Select a **Suite**.

- Click the arrow up or down buttons to edit the priority of Suites in the Family. Suites are applied to devices based on the order in the list. If the first Suite in the list can be applied to a device, the next Suite below is ignored.
- Click **Delete** to delete the Suite from the Family.

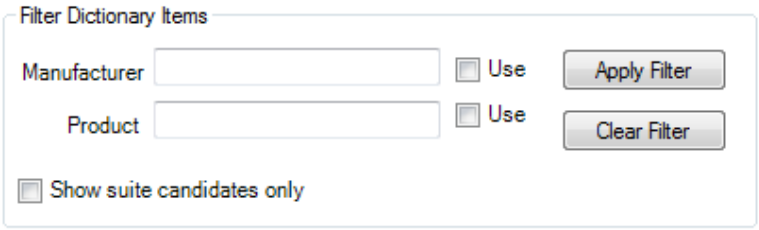
Products in the Suite are displayed in the Products field.



3. Select a **Product**.

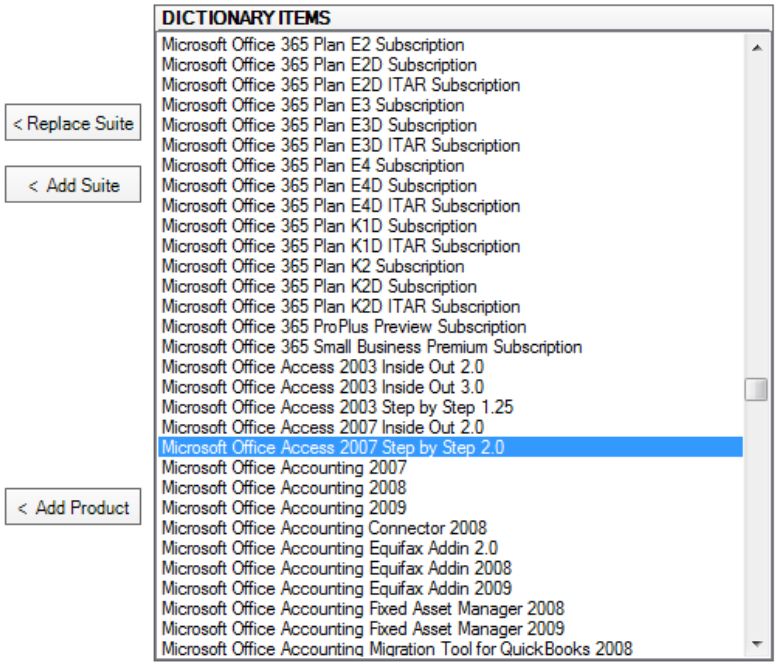
- Click the arrow up or down buttons to edit the priority of Products in the Suite.
- Tick a Product to indicate it must be installed for the Suite to apply.
- Untick a Product to indicate the Suite may apply whether it is installed or not.
- Click **Delete** to delete the remove the product from the suite.

4. Use the Filter Dictionary Items fields to search for Suites and Products to add to the lists.



- Type a **Manufacturer** name.
- Type a **Product** name.
- Tick **Use** to use the names in the associated field when applying the filter.
- Click **Apply Filter** to filter the Dictionary Items field.
- Click **Clear Filter** to remove all filters.
- Tick **Show suite candidates only** to only show potential suite candidates in the Dictionary Items field.

5. Use the Dictionary Items field to add Suites and Products.


DICTIONARY ITEMS
< Replace Suite
< Add Suite
< Add Product
Microsoft Office 365 Plan E2 Subscription
Microsoft Office 365 Plan E2D Subscription
Microsoft Office 365 Plan E2D ITAR Subscription
Microsoft Office 365 Plan E3 Subscription
Microsoft Office 365 Plan E3D Subscription
Microsoft Office 365 Plan E3D ITAR Subscription
Microsoft Office 365 Plan E4 Subscription
Microsoft Office 365 Plan E4D Subscription
Microsoft Office 365 Plan E4D ITAR Subscription
Microsoft Office 365 Plan K1D Subscription
Microsoft Office 365 Plan K1D ITAR Subscription
Microsoft Office 365 Plan K2 Subscription
Microsoft Office 365 Plan K2D Subscription
Microsoft Office 365 Plan K2D ITAR Subscription
Microsoft Office 365 ProPlus Preview Subscription
Microsoft Office 365 Small Business Premium Subscription
Microsoft Office Access 2003 Inside Out 2.0
Microsoft Office Access 2003 Inside Out 3.0
Microsoft Office Access 2003 Step by Step 1.25
Microsoft Office Access 2007 Inside Out 2.0
Microsoft Office Access 2007 Step by Step 2.0
Microsoft Office Accounting 2007
Microsoft Office Accounting 2008
Microsoft Office Accounting 2009
Microsoft Office Accounting Connector 2008
Microsoft Office Accounting Equifax Addin 2.0
Microsoft Office Accounting Equifax Addin 2008
Microsoft Office Accounting Equifax Addin 2009
Microsoft Office Accounting Fixed Asset Manager 2008
Microsoft Office Accounting Fixed Asset Manager 2009
Microsoft Office Accounting Migration Tool for QuickBooks 2008

- Select a Suite in the dictionary and click **Replace Suite** to replace a suite in the Suites field.
- Select a Suite in the dictionary and click **Add Suite** to add it to the Suites field.
- Select a Product in the dictionary and click **Add Product** to add it to the Products field.

6. Click **Save As**. Navigate to where you want to save the Suite, name it and click **Save**.

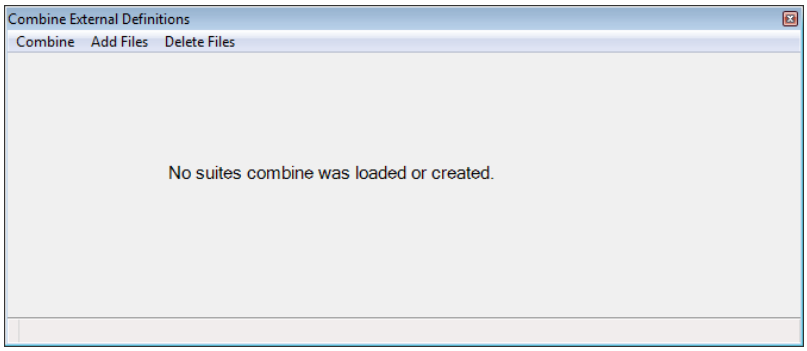
How to Create a New Suite

1. Click **Create New**. The Families, Suites and Product fields are cleared.
2. Edit the Families, Suites and Product fields.
3. Click **Save As**. Navigate to where you want to save the new Suite, name it and click **Save**.

Combines Editor

The Combines Editor tool is used to combine multiple Suites or Rules into one combined file.

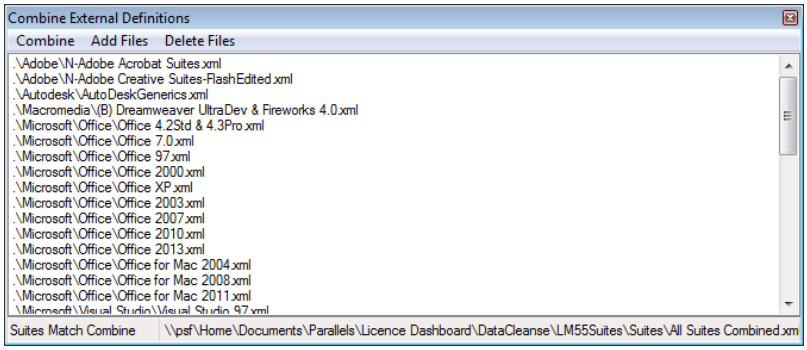
1. Click **Tools > Combines Editor**. The Combines Editor window is displayed.



2. Select a **Combine** option.

- Click **Combine > New > Suites Match Combine** to create a new combined suites file. Navigate to where you want to save the file, name it and click **Save**.
- Click **Combine > New > Custom Rules Combine** to create a new combined rules file. Navigate to where you want to save the file, name it and click **Save**.
- Click **Combine > Load** to load an existing combined file. Navigate to where the file is saved, select it and click **Open**.

The file details are displayed. If you have loaded an existing file, all suites or rules in it are displayed.



3. Edit the file.

- Click **Add File** to add a suite or rule to the combined file. Browse to where the file is stored. Select it and click **Open**. Repeat this step until all suites or rules are displayed.
- Select a file in the list and click **Delete** to remove it from the combined file.

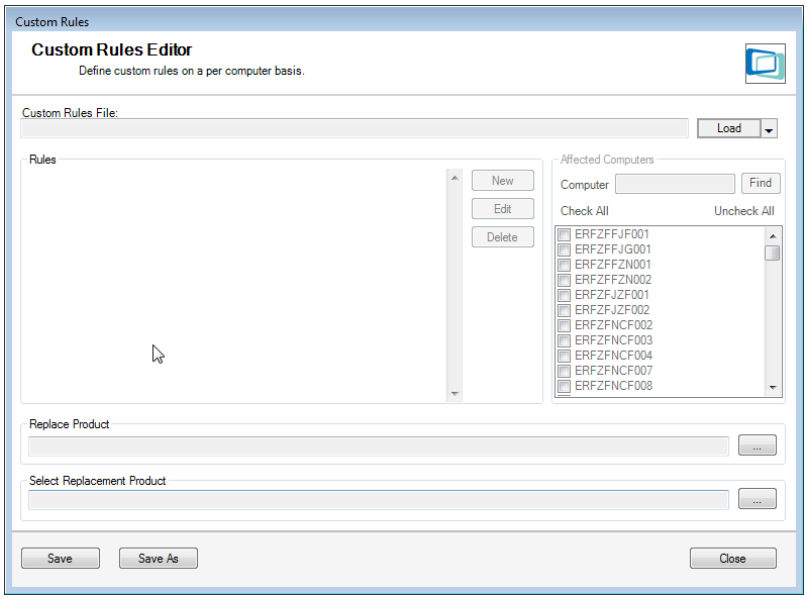
4. Click **Combine > Save** to save any changes to the combined file.
5. Click **Combine > Close**.

A combined file can be used in the Audit Run Summary tab.

Custom Rules Editor

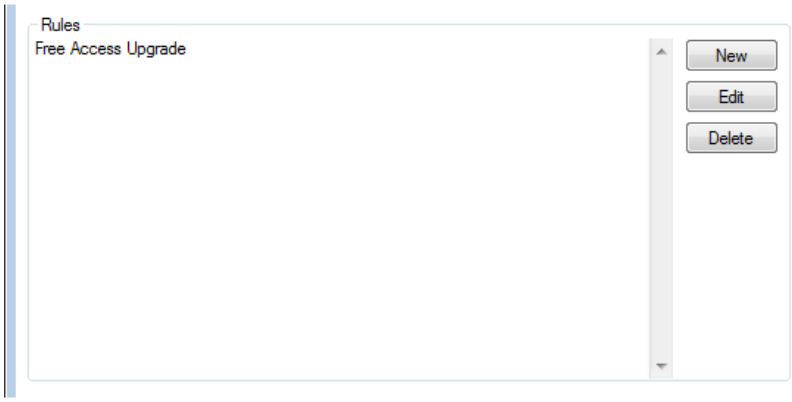
Use the Custom Rules Editor tool to create and edit rules. Rules are used to replace discovered products in the Audit Run Summary tab.

Click **Tools > Custom Rules Editor**. The Rules Editor window is displayed.



How to Edit Rules

1. Click **Load** in the Custom Rules File field. Browse to where the file is saved, select it and click **Open**. The rules in the file are displayed in the Rules field.



The Rules field shows all rules in the custom rules file.

- Click **New** to add a new rule. Type a description for the rule and click **OK**.

2. Select a **Rule**.

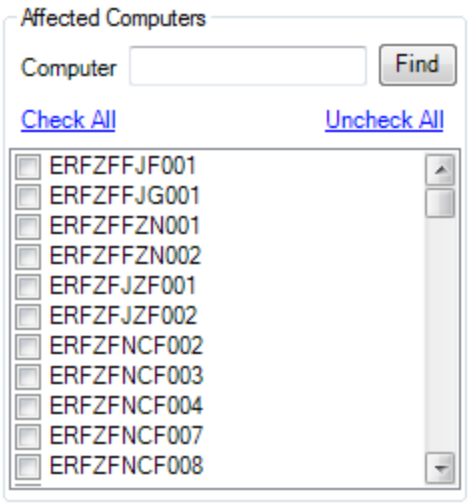
- Click **Edit** to edit the rule description. Type a new description and click **OK**.
- Click **Delete** to delete the rule.

The rule is displayed in the Replace Product and Select Replacement Product fields.

3. Edit the rule.

- Click the **...** button to edit the Replace Product field. Select a product to replace on devices in the Audit Run affected by the rule.
- Click the **...** button to edit the Select Replacement Product field. Select a product to replace the product in the Replace Product field.

Computers affected by the rule are displayed in the Affected Computers field.



4. Select Devices in the Audit Run to apply the rule to.

- Type a **Computer** name and click **Find** to search for a device.
- Click **Check All** to select all devices in the list.
- Click **Uncheck All** to deselect all devices in the list.
- Tick devices to apply the rule to.

5. Save the changes.

- Click **Save** to save the changes to the file.
- Click **Save As** to save the changes in a new file. Browse to where you want to save the file, name it and click **Save**.

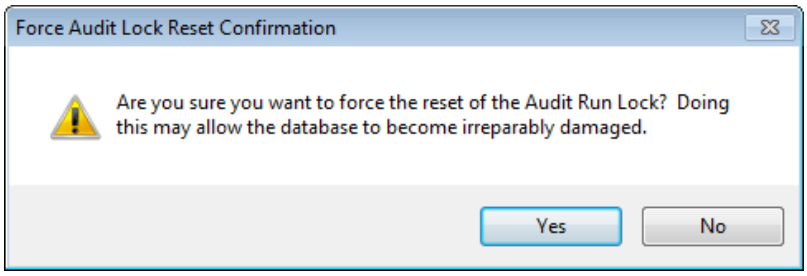
How to Create a New Rule

1. Click **New** in the Custom Rules File field. Browse to where you want to save the file, name it and click **Save**. The other fields are cleared.
2. Edit the Rules.

Reset Audit Run Lock

Use the Reset Audit Run Lock to reset a locked Audit Run. *Please note, this may damage the SQL Database.*

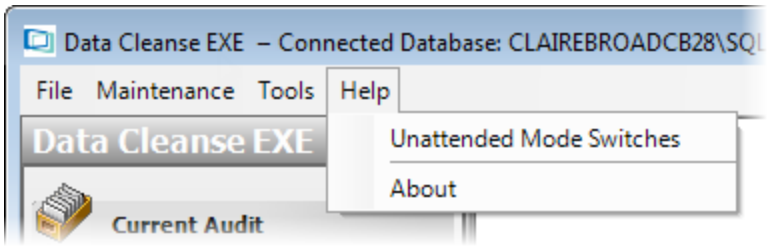
1. Click **Tools > Reset Audit Run Lock**. A warning message is displayed.


Force Audit Lock Reset Confirmation
Are you sure you want to force the reset of the Audit Run Lock? Doing this may allow the database to become irreparably damaged.
Yes
No

2. Click **Yes**. The Audit Run Lock is forced to reset. The Audit Run may now be viewed.

Help Menu

There are two options in the Help menu.

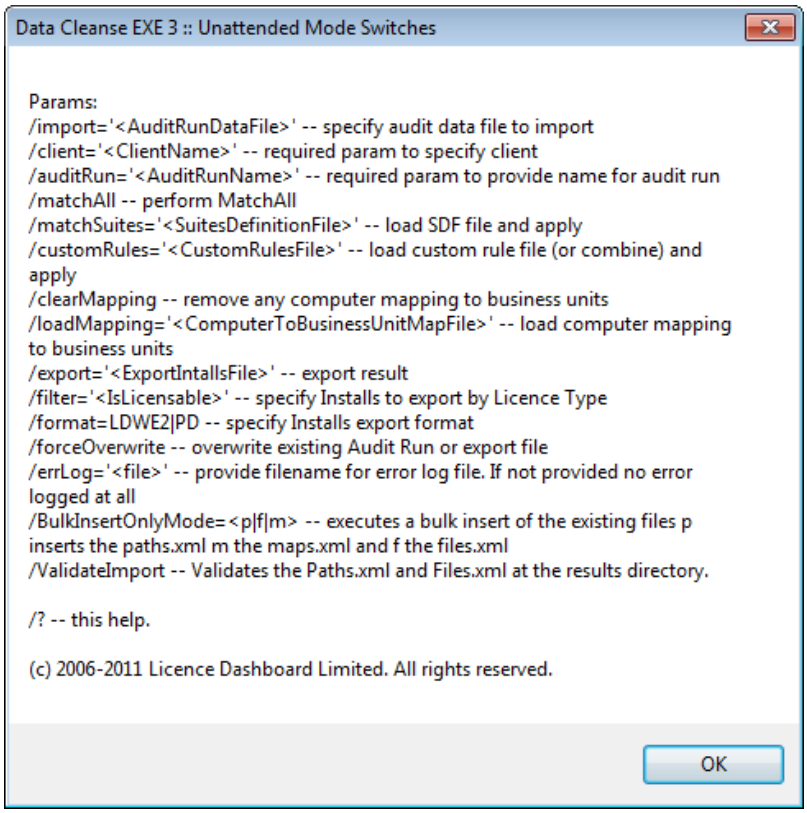


- Click Unattended Mode Switches to show details of any unattended mode switches in Data Cleanse EXE.
- Click About to show information about the Data Cleanse EXE version.

Unattended Mode Switches

Use the Unattended Mode Switches menu option to show details of any unattended mode switches in Data Cleanse EXE.

1. Click **Help > Unattended Mode Switches**. The Unattended Mode Switches window is displayed.

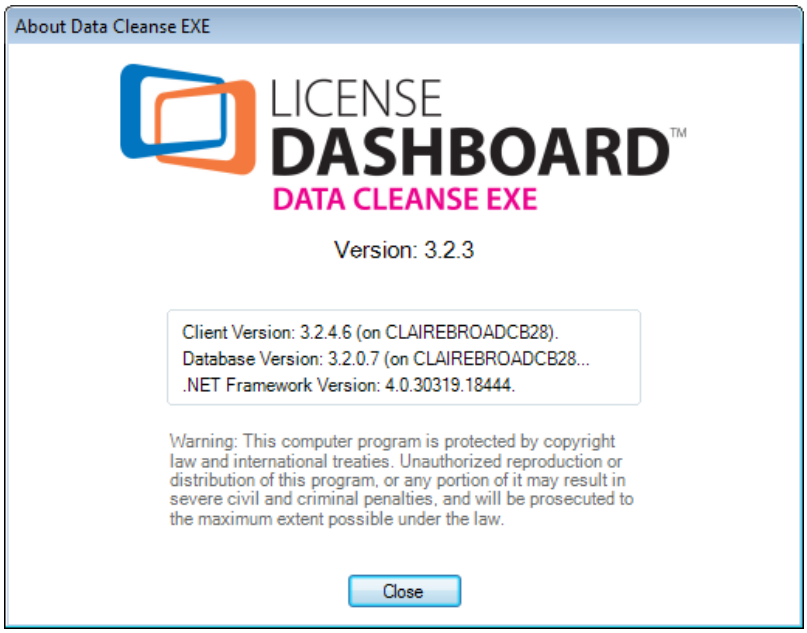


2. Click **OK**.

About

Use the About tool to show information about the Data Cleanse EXE version.

1. Click **Help > About**. The About Data Cleanse EXE window is displayed.



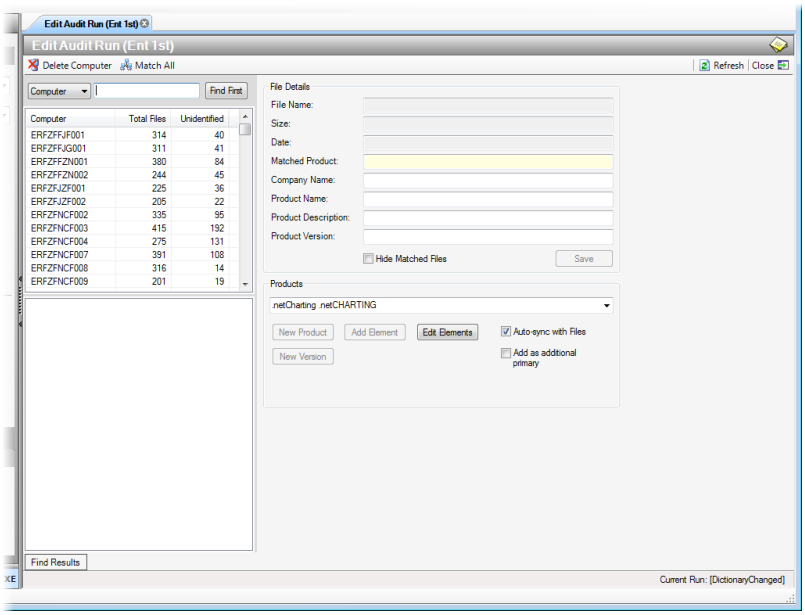
2. Click **Close**.

Data Cleanse EXE Windows

Edit Audit Run

The Edit Audit Run tab is used to map unknown EXE in an Audit Run to products in the dictionary.

After mapping EXE files for individual devices, use the Match All function to replicate the same mapping for the same EXE signatures on all devices in the Audit Run

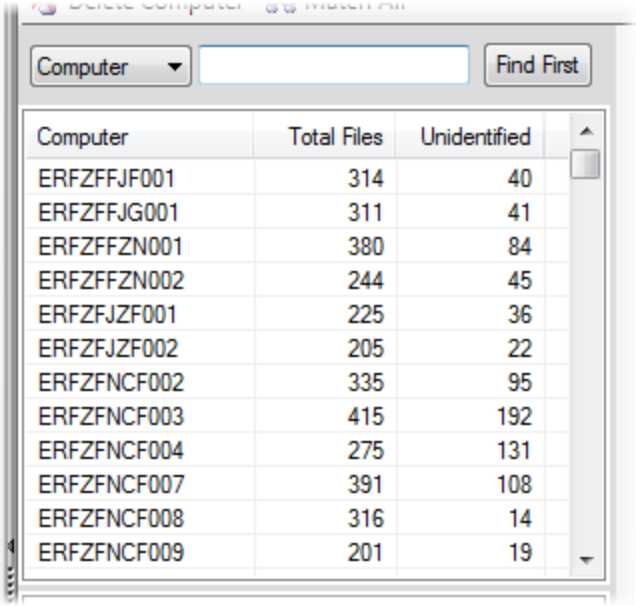


The tab is split into four sections.

- The Computer fields show all devices in the Audit Run.
- The Files field shows a folder tree of the drives and folders on the selected computer. Only folders containing EXE files are displayed.
- The File Details fields displays details of an EXE signature.
- The Products fields display dictionary details of the product that the EXE file has been matched to.

Computer

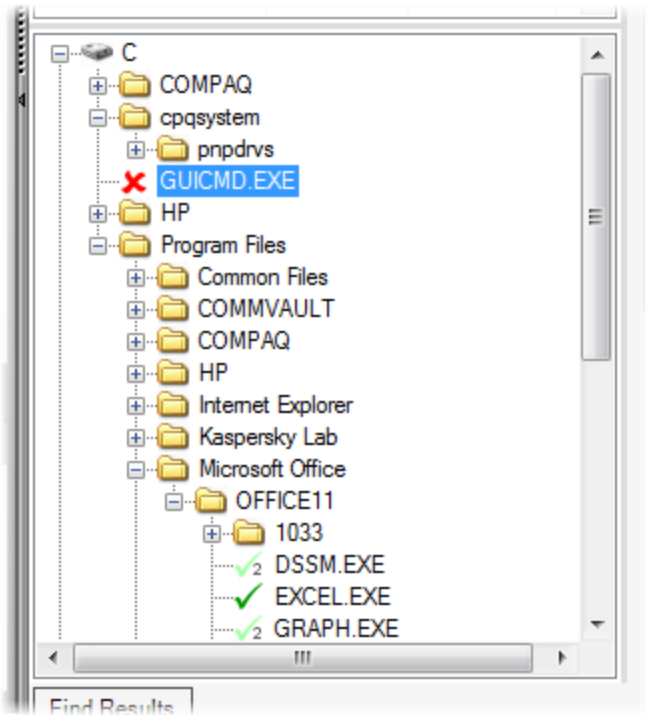
The Computers field shows all devices in the Audit Run.



The list can be searched by device name. Click on a device in the list to select it. The files field displays the EXE signatures on the device.

Files

The Files field shows a folder tree of the drives and folders on the highlighted computer in the Computers list. Only folders containing EXE signatures are displayed.



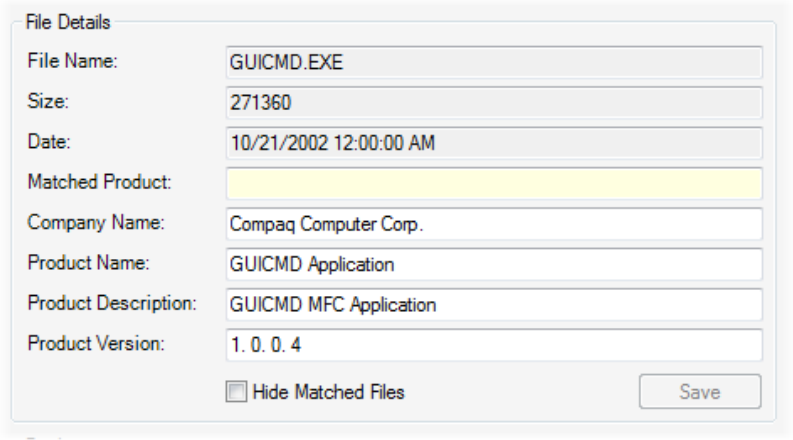
The EXE signatures are highlighted in one of three ways.

- indicates a EXE signature which has not been mapped to a product in the dictionary.
- indicates a .EXE signature which is mapped as a primary element of a product in the dictionary.
- indicates a .EXE signature which is mapped as a secondary element of a product in the dictionary.

Click on a EXE signature to select it. The signature details are displayed in the File Details fields.

File Details

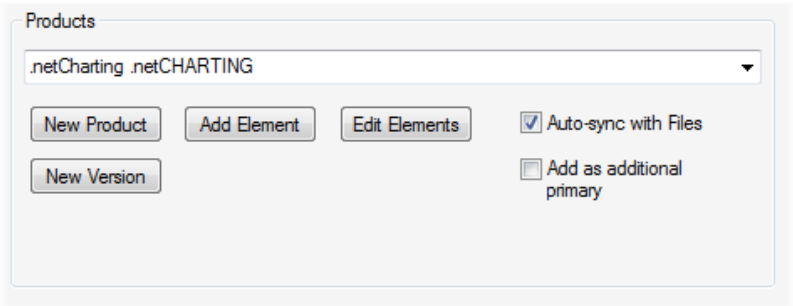
The File Details fields display details of the highlighted EXE signature in the File tree.



- Tick **Hide Matched Files** to hide matched signatures in the File tree.
- Type the **Company Name**, **Product Name**, **Product Description** or **Product Version** and click **Save** to edit the EXE signature details.

Products

The Products fields display dictionary details of the product that the EXE file has been mapped to.



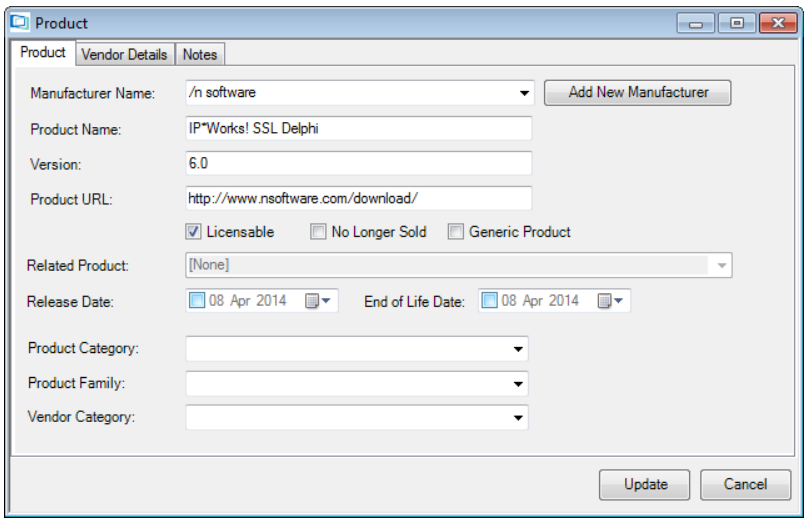
- Tick **Auto-sync with Files** to automatically update the selected product when you select an EXE signature in the File tree.

How to Map an Unmatched EXE Signature to a Product in the Dictionary

1. Select the EXE signature.
2. Select a Product.
3. Click **Add as additional primary** to map the EXE signature as a primary signature.
4. Click **Add Element**. The EXE signature is mapped to the product.

How to Create a New Product or Product Version in the Dictionary

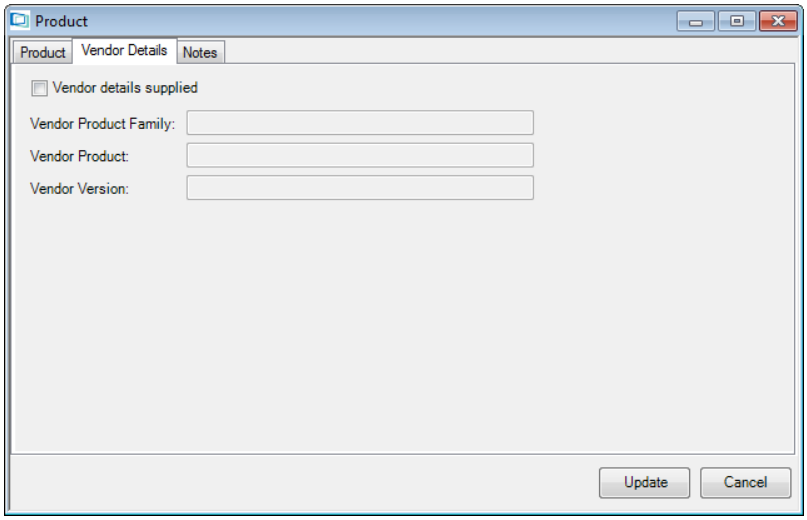
1. Select a Product.
2. Click **New Product** or **New Version**. The Product window is displayed.



3. Type the Product details.

- Type to edit the **Manufacturer Name** or click **Add New Manufacturer** to add a new manufacturer.
- Type to Edit the **Product Name** and **Version**.
- Type the **URL** address for the product website.
- Tick **Is Licensable** to indicate that the product needs to be licensed for use.
- Tick **No Longer Sold** to indicate that the product in not available for purchase.
- Tick **Generic Product** to indicate it is a generic product.
- Select a **Related Product** if this product is related to another.
- The **Release Date** indicates when the product became available.
- The **End of Life Date** is used to link together products which can be upgraded.
- Type to set a **Product Category**.
- The **Product Family** is used to link products together for Upgrades, Downgrades and License Allocation.
- Type to set a **Vendor Category**.

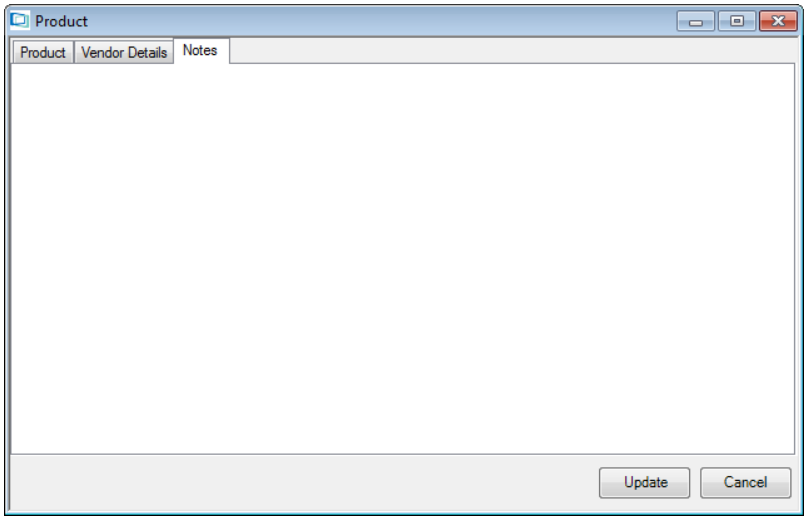
4. Click **Vendor Details**. The vendor details tab is displayed. This is used to indicate which company the product has been purchased from if it does not come directly from the manufacturer.



5. Type the **Vendor Details**.

- Tick **Vendor details supplied** if you know where the product was purchased.
- Type to set a **Vendor Product Family**.
- Type to set a **Vendor Product Name**.
- Type to set a **Vendor Version**.

6. Click **Notes**. The Notes tab is displayed. This allows you to add notes to the Product details.



7. Type in the field.
8. Click **Update**. The New Product or Version is added and mapped to the EXE signature in the File tree.

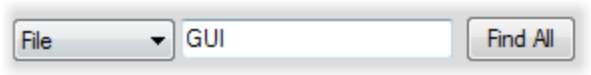
How to Edit Elements

1. Select a Product.
2. Click **Edit Elements**. The Product is displayed in the Product Elements dictionary.

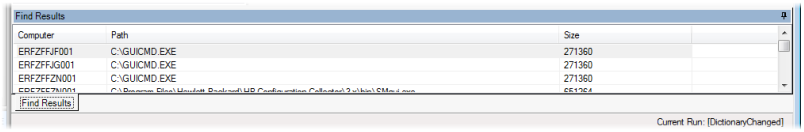
Find Results

The Find Results field allows you to search for EXE signatures in all computers in the Audit Run.

1. Select File in the computers field.



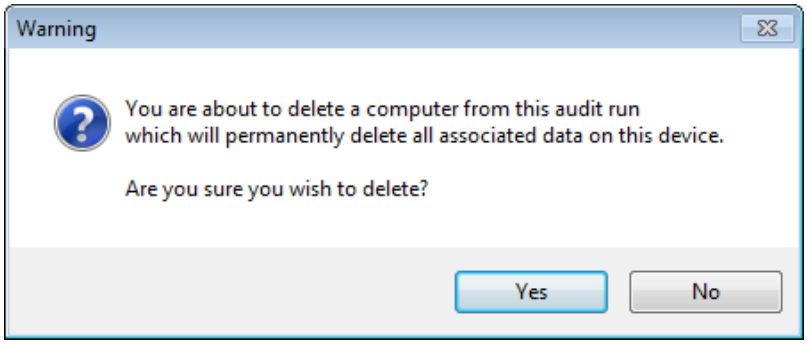
2. Type a file name and click **Find All**. The results are displayed in the Find Results field.



Additional Options

How to Delete Computers

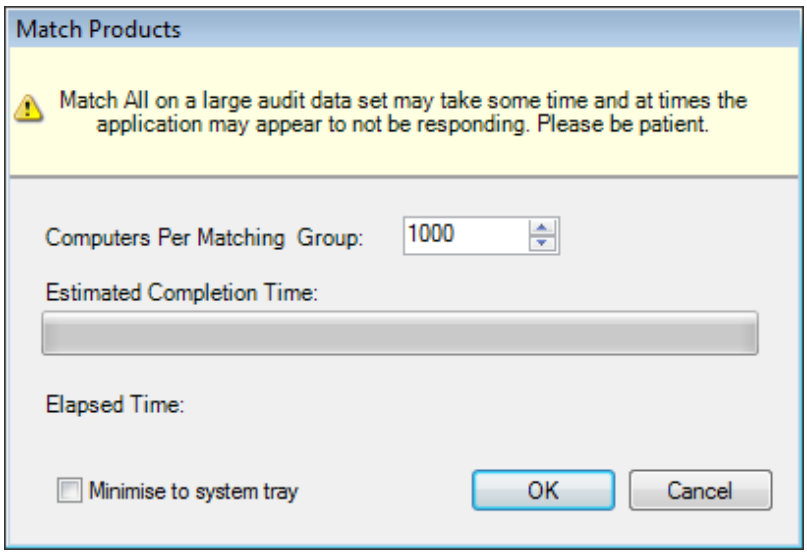
1. Select a computer in the computers field.
2. Click **Delete Computer**. A warning message is displayed.


Warning
You are about to delete a computer from this audit run which will permanently delete all associated data on this device.
Are you sure you wish to delete?
Yes
No

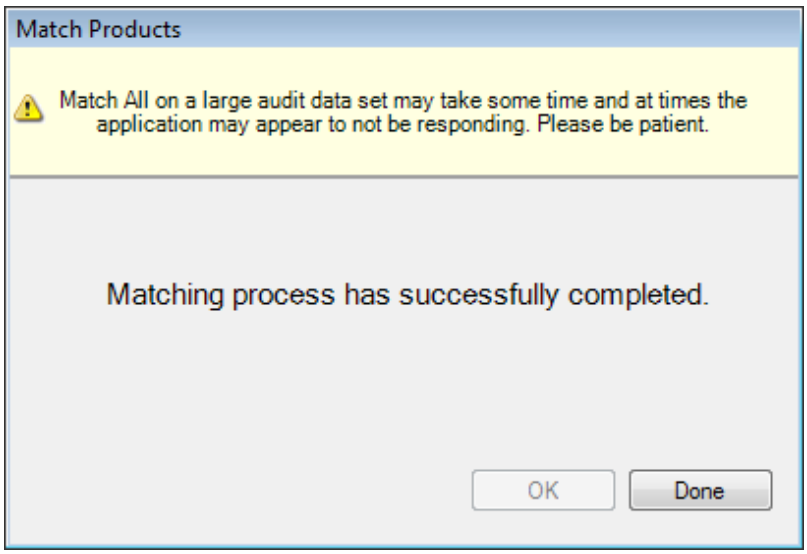
3. Click **Yes**.

How to Match All

1. Click **Match All**. The Match All window is displayed.


Match Products
Match All on a large audit data set may take some time and at times the application may appear to not be responding. Please be patient.
Computers Per Matching Group:
1000
Estimated Completion Time:
Elapsed Time:
Minimise to system tray
OK
Cancel

2. Select the **Computers Per Matching Group** size. Please note, a larger group size will speed up the process and use more computer resources, which may make other applications on your device run slower.
3. Tick **Minimize to system tray** to minimize Data Cleanse EXE whilst the tool is running.
4. Click **OK**. A confirmation message is displayed.

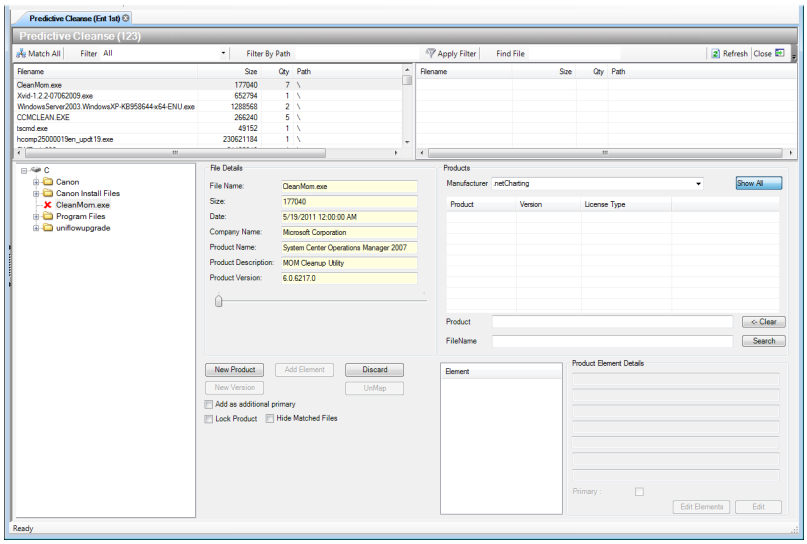

Match Products
Match All on a large audit data set may take some time and at times the application may appear to not be responding. Please be patient.
Matching process has successfully completed.
OK
Done

5. Click **Done**.

Predictive Cleanse

Use the Predictive Cleanse tab to map EXE signatures to products in the dictionary.

After mapping EXE files for individual devices, use the Match All function to replicate the same mapping for the same EXE signatures on all devices in the Audit Run



Use the Filters to filter the data.

1. Set the Filter parameters.

- Select a **Filter**. You can filter to show All, Unmatched Known or Unmatched Known Primary EXE signatures.
- Type a **Filter By Path** to display EXE signatures installed in specific folders or drives on devices.

2. Click **Apply Filter**.

Use the Find File field to search for a EXE signature.

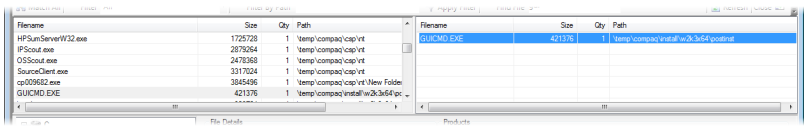
1. Type the file name.
2. Press Enter. The results are displayed in the second file table.

The tab is split into four fields

- The File tables show EXE signatures in the Audit Run.
- The File tree shows the tree structure of where a EXE signature is installed on a device.
- The File details show EXE signature details.
- The Products show potential products the signature can be mapped to.

Files

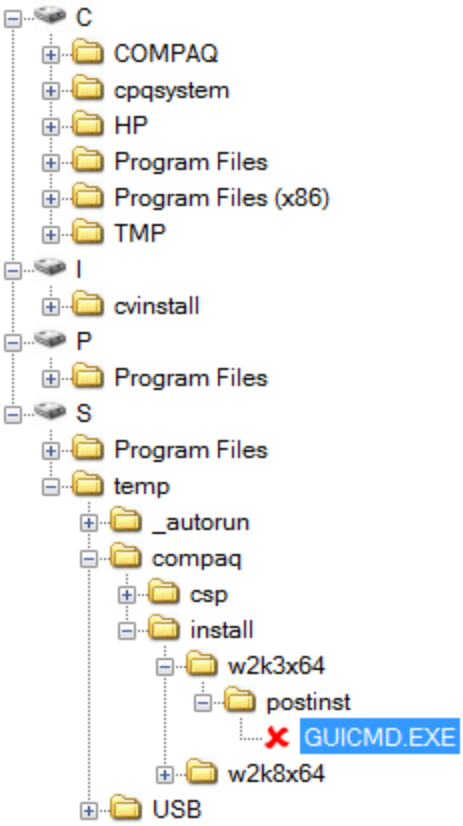
EXE signatures are displayed in two tables at the top of the tab.



Click a signature to display it in the file tree.

File Tree

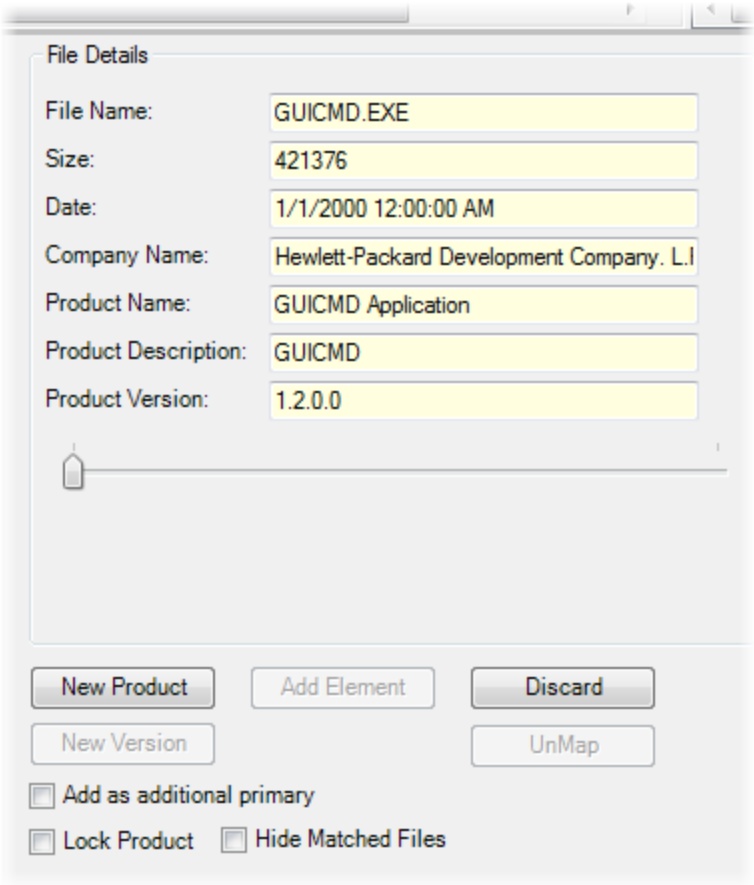
The path to the EXE signature highlighted in the file table is displayed in the File Tree.



Click a signature to display it in the file details.

File Details

The File Details fields display details of the highlighted EXE signature in the File tree.



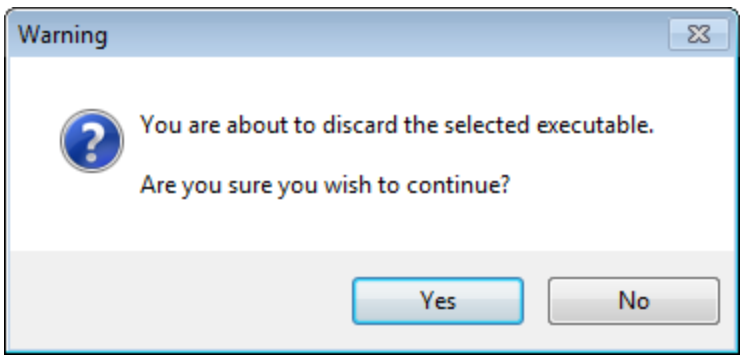
- Tick **Hide Matched Files** to hide matched signatures in the File tree.
- Tick **Lock Product** to lock the product in the products fields.

How to Map an Unmatched EXE Signature to a Product in the Dictionary

1. Select the EXE signature.
2. Select a Product.
3. Tick **Add as additional primary** to map the EXE signature as a primary signature.
4. Click **Add Element**. The EXE signature is mapped to the product.

How to Discard a EXE Signature

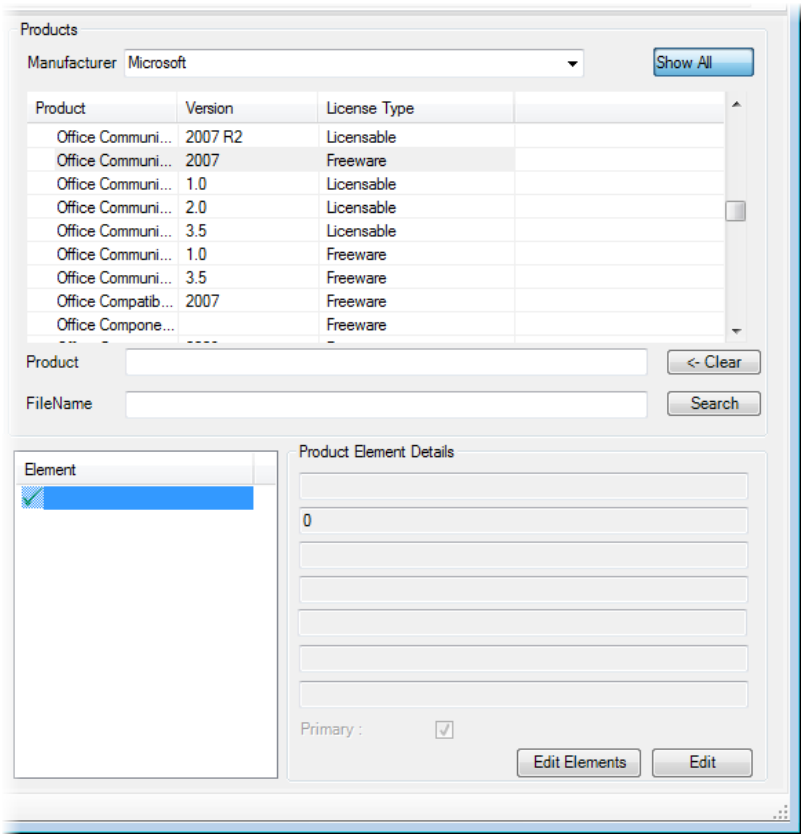
1. Select a EXE signature.
2. Click **Discard**. A warning message is displayed.



3. Click **Yes**. The Product is discarded.

Products

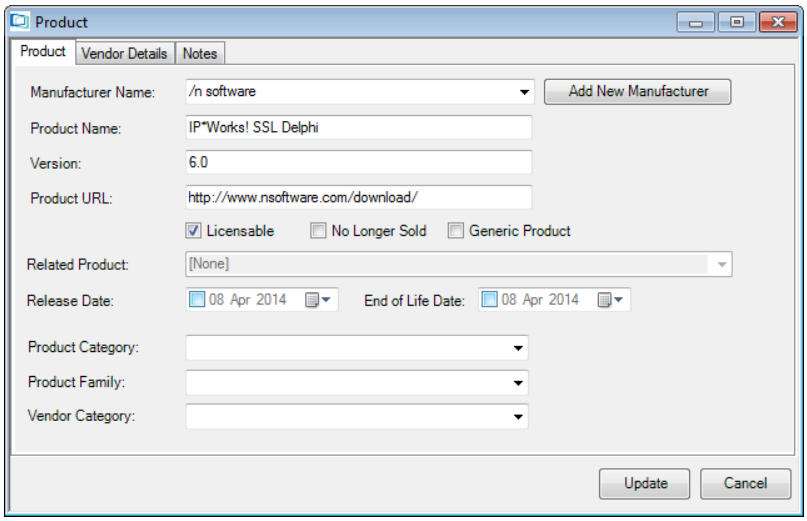
The products fields displays products which may match the EXE signature highlighted in the File tree.



- Click **Show All** to cancel the prediction and manually search for a product. You can search by **Manufacturer**, **Product** and **File Name**.
- Click to select a product in the list. EXE signatures already mapped to the product are displayed in the Element field.
- Click to select a product element. Details are displayed in the Product Element Details field.

How to Create a New Product or Product Version in the Dictionary

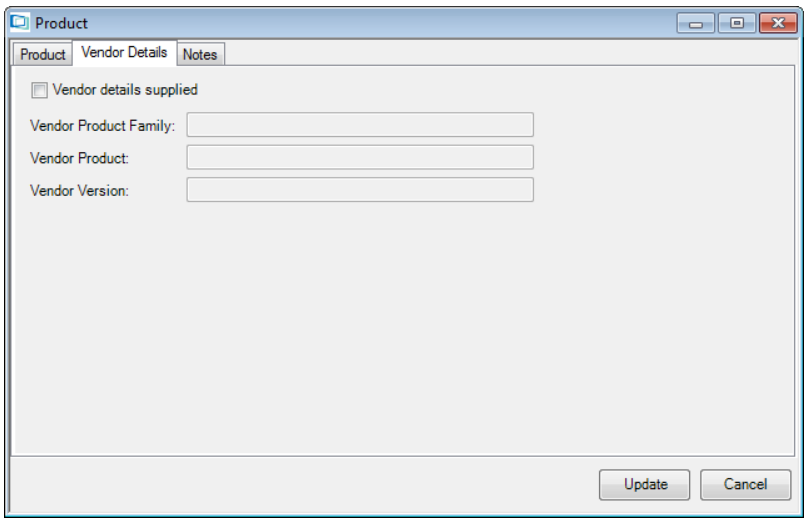
1. Select a Product.
2. Click **New Product** or **New Version**. The Product window is displayed.



3. Type the Product details.

- Type to edit the **Manufacturer Name** or click **Add New Manufacturer** to add a new manufacturer.
- Type to Edit the **Product Name** and **Version**.
- Type the **URL** address for the product website.
- Tick **Is Licensable** to indicate that the product needs to be licensed for use.
- Tick **No Longer Sold** to indicate that the product in not available for purchase.
- Tick **Generic Product** to indicate it is a generic product.
- Select a **Related Product** if this product is related to another.
- The **Release Date** indicates when the product became available.
- The **End of Life Date** is used to link together products which can be upgraded.
- Type to set a **Product Category**.
- The **Product Family** is used to link products together for Upgrades, Downgrades and License Allocation.
- Type to set a **Vendor Category**.

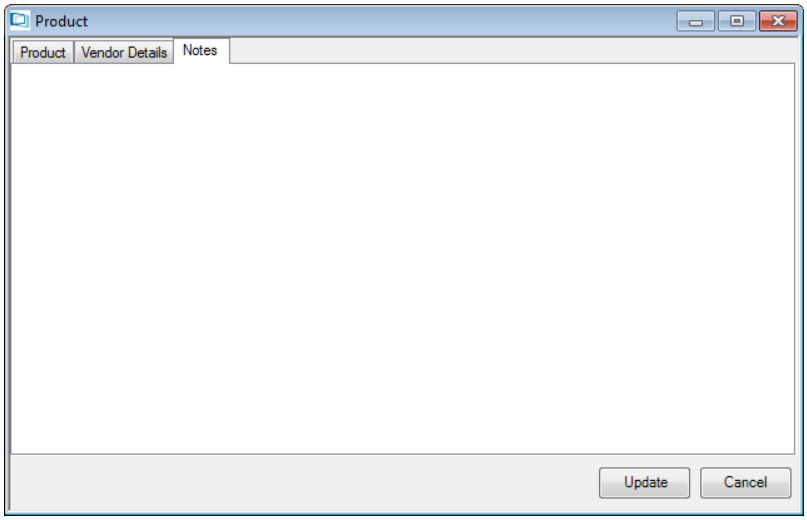
4. Click **Vendor Details**. The vendor details tab is displayed. This is used to indicate which company the product has been purchased from if it does not come directly from the manufacturer.



5. Type the **Vendor Details**.

- Tick **Vendor details supplied** if you know where the product was purchased.
- Type to set a **Vendor Product Family**.
- Type to set a **Vendor Product Name**.
- Type to set a **Vendor Version**.

6. Click **Notes**. The Notes tab is displayed. This allows you to add notes to the Product details.



7. Type in the field.
8. Click **Update**. The New Product or Version is added and mapped to the EXE signature in the File tree.

How to Unmap Elements

1. Select a mapped EXE file in the file tree.
2. Click **Unmap**.

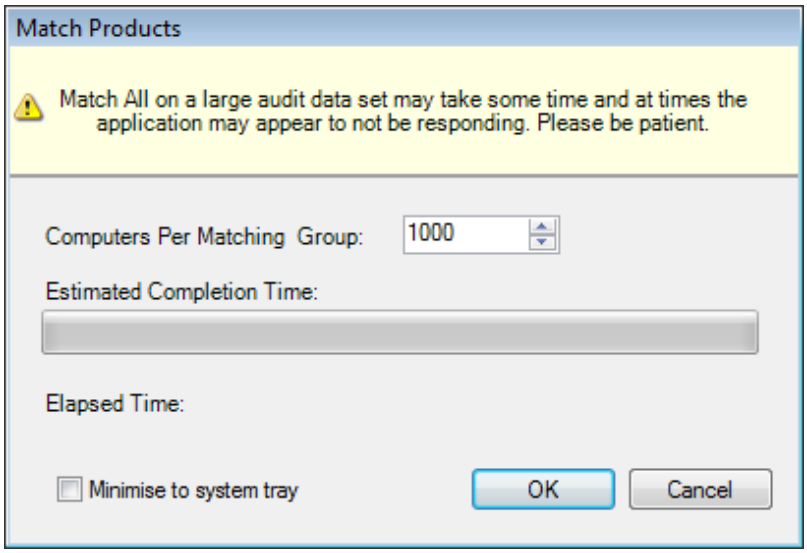
How to Edit Elements

1. Select a Product Element.
2. Click **Edit Elements**. The Product is displayed in the Product Elements dictionary.

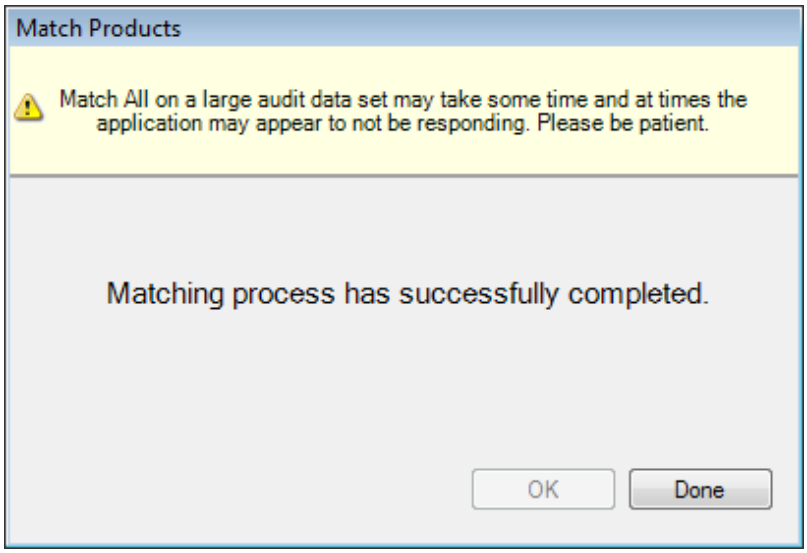
Additional Options

How to Match All

1. Click **Match All**. The Match All window is displayed.


Match Products
Match All on a large audit data set may take some time and at times the application may appear to not be responding. Please be patient.
Computers Per Matching Group:
1000
Estimated Completion Time:
Elapsed Time:
Minimise to system tray
OK
Cancel

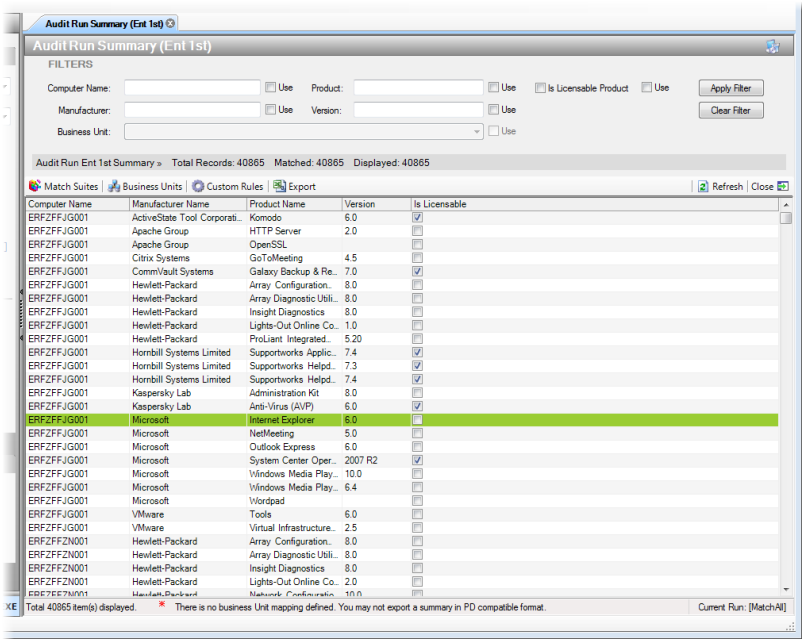
2. Select the **Computers Per Matching Group** size. Please note, a larger group size will speed up the process and use more computer resources, which may make other applications on your device run slower.
3. Tick **Minimize to system tray** to minimize Data Cleanse EXE whilst the tool is running.
4. Click **OK**. A confirmation message is displayed.


Match Products
Match All on a large audit data set may take some time and at times the application may appear to not be responding. Please be patient.
Matching process has successfully completed.
OK
Done

5. Click **Done**.

Audit Run Summary

The Audit Run Summary tab displays all devices in the Audit Run. This shows every product installed on every device.



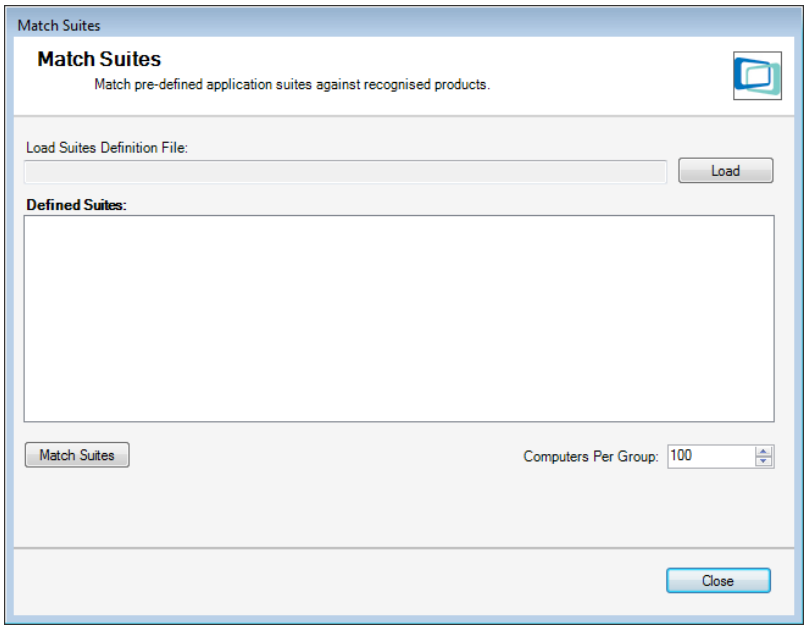
Use the Filters to filter the table.

- Type a **Computer Name**, **Manufacturer**, **Product**, **Version** or **Business Unit**.
- Tick **Is Licensable Product** to include only licensable products.
- Tick **Use** to include a filter.
- Click **Clear Filter** to remove the filters.
- Click **Apply Filter**. The results are displayed in the table below.

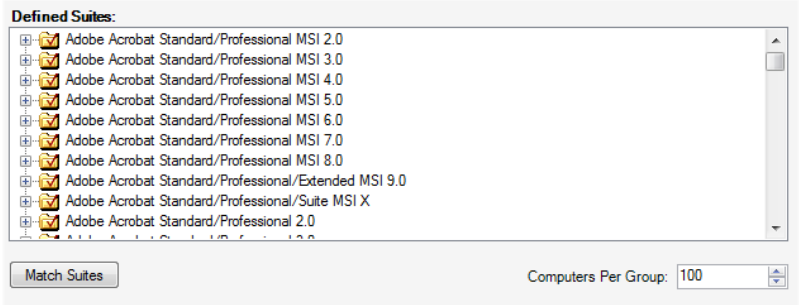
Match Suites

Suites allow you to group products for licensing purposes. Suites are created using the Suites Editor.

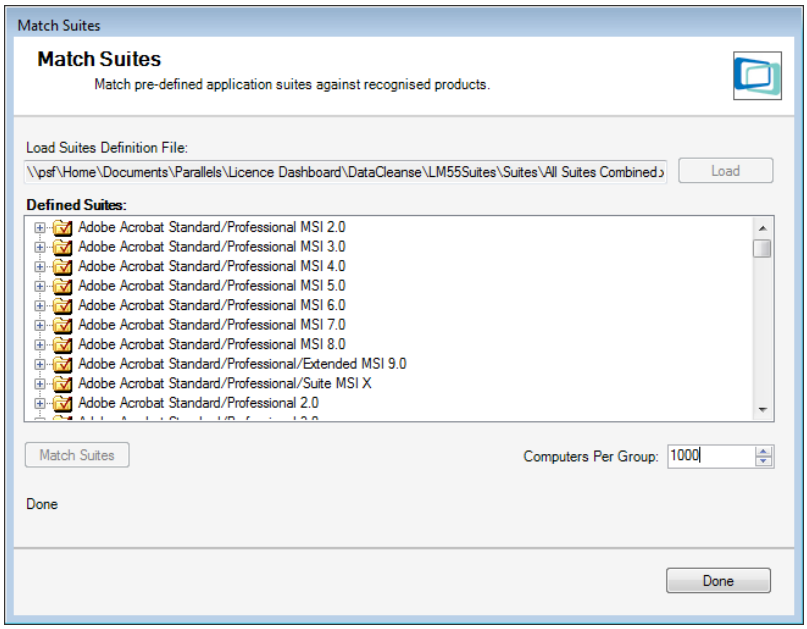
1. Click **Match Suites**. The Match Suites window is displayed.



2. Click **Load**. Navigate to where the suites file is saved, select it and click **Open**. Suite details are displayed in the **Defined Suites** field.


Defined Suites:
Adobe Acrobat Standard/Professional MSI 2.0
Adobe Acrobat Standard/Professional MSI 3.0
Adobe Acrobat Standard/Professional MSI 4.0
Adobe Acrobat Standard/Professional MSI 5.0
Adobe Acrobat Standard/Professional MSI 6.0
Adobe Acrobat Standard/Professional MSI 7.0
Adobe Acrobat Standard/Professional MSI 8.0
Adobe Acrobat Standard/Professional/Extended MSI 9.0
Adobe Acrobat Standard/Professional/Suite MSI X
Adobe Acrobat Standard/Professional 2.0
Match Suites
Computers Per Group: 100

3. Select the number of **Computers Per Group**. *Please note, a larger group size will speed up the process and use more computer resources, which may make other applications on your device run slower.*
4. Click **Match Suites**. A progress bar is displayed. A message is displayed when complete.

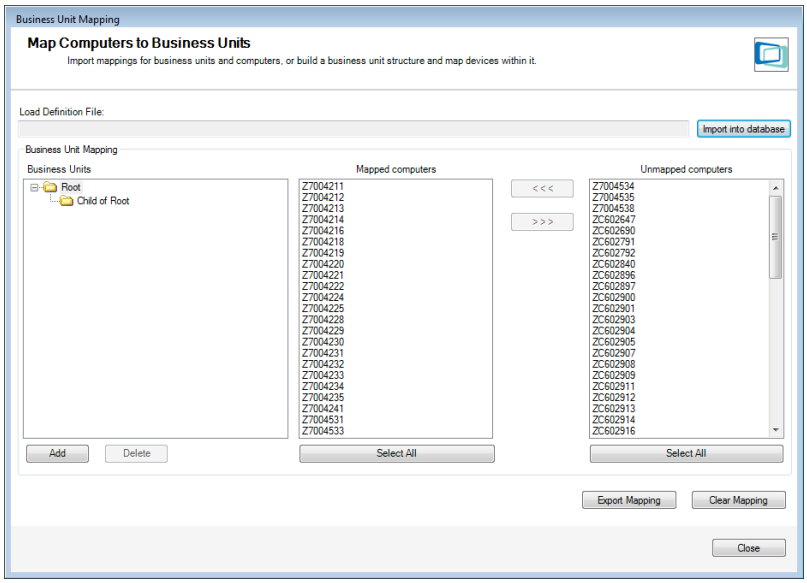


5. Click **Done**.

Business Units

Business Units are used to split license management into different units in large organizations. The Business Units tool allows you to map devices to business units.

1. Click **Business Units**. The Business Unit Mapping window is displayed.



2. Create the **Business Units** structure.

- Click **Import into database** to import the business unit structure for a clients organization into Data Cleanse EXE.
- Select a business unit and click **Add** to create a new business unit.
- Select a business unit and click **Delete** to delete it.

3. Select a Business Unit.
4. Map computers from the Unmapped computers field into the Mapped Computers field.

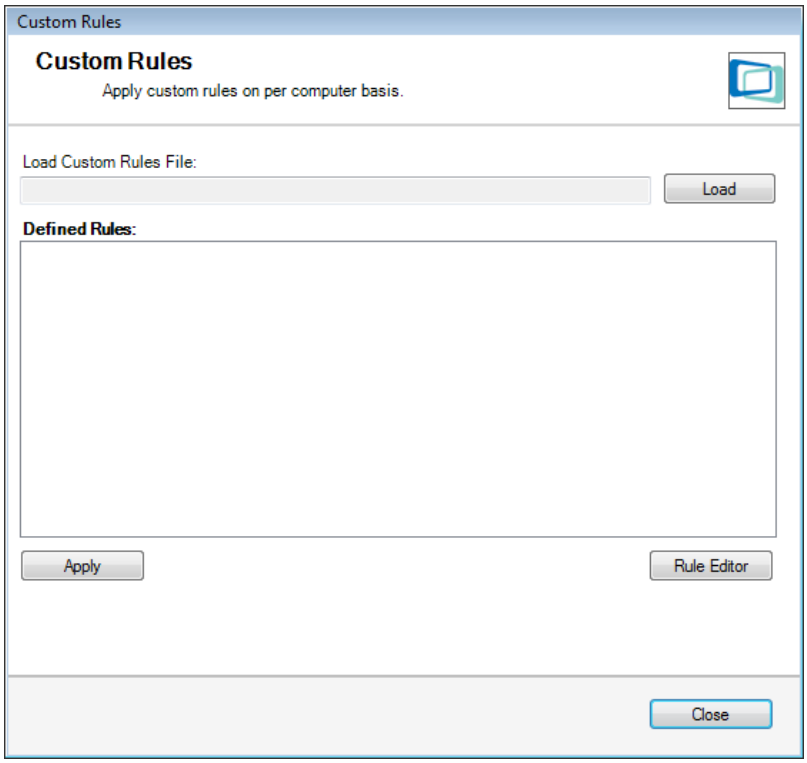
- Click **Export Mapping** to save a Business Units Definitions File. Navigate to where you want to save the file, name it and click **Save**.
- Click **Clear Mapping** to clear the window.

5. Click **Close**.

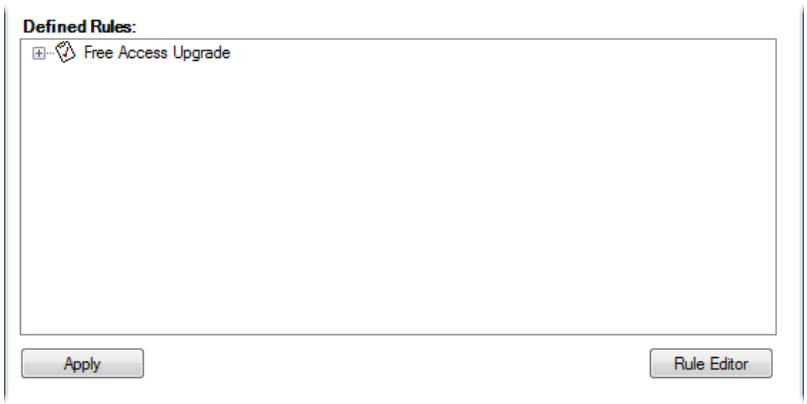
Custom Rules

Rules allow you to automatically replace products on devices for licensing purposes. Rules are created using the Custom Rules Editor.

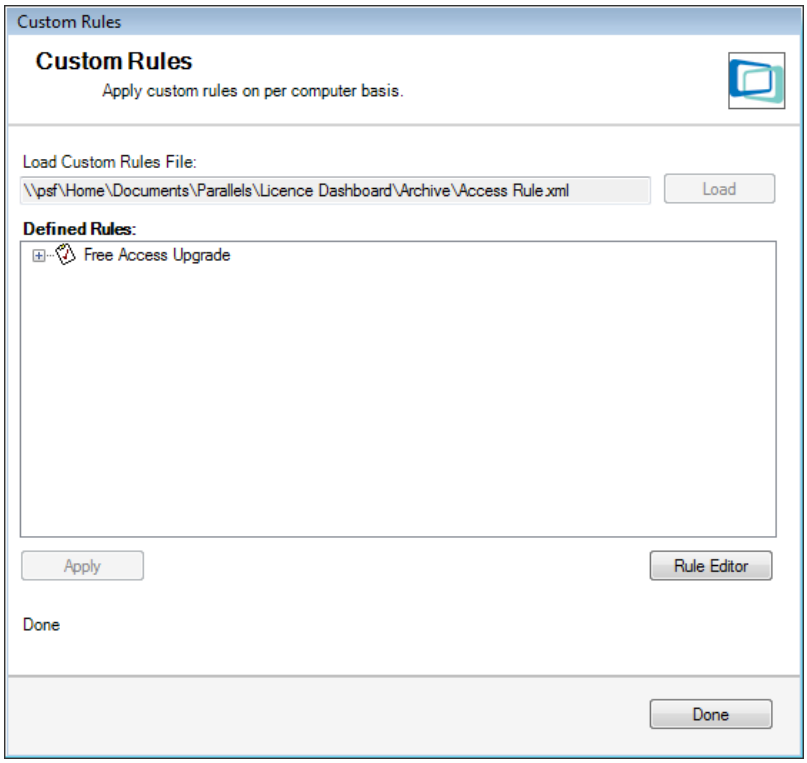
1. Click **Custom Rules**. The Custom Rules window is displayed.



2. Click **Load**. Navigate to where the rules file is saved, select it and click **Open**. Rule details are displayed in the **Defined Rules** field.



3. Click **Apply**. A progress bar is displayed. A message is displayed when complete.



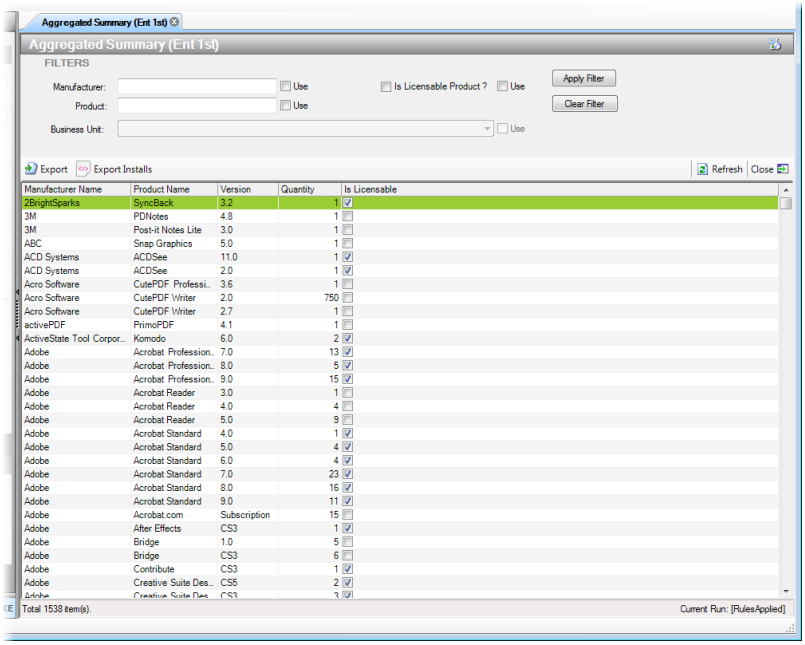
4. Click **Done**.

Export

1. Click **Export** to export the Audit Run Summary to a CSV file. Navigate to where you want to save the file, name it and click **Save**.

Aggregated Summary

The Aggregated Summary tab displays all products in the Audit Run. This shows the number of devices where each product has been installed.



Use the Filters to filter the table.

1. Type a **Manufacturer**, **Product** or **Business Unit**.
2. Tick **Is Licensable** to include only licensable products.
3. Tick **Use** to include a filter.
4. Click **Apply Filter**. The results are displayed in the table below.

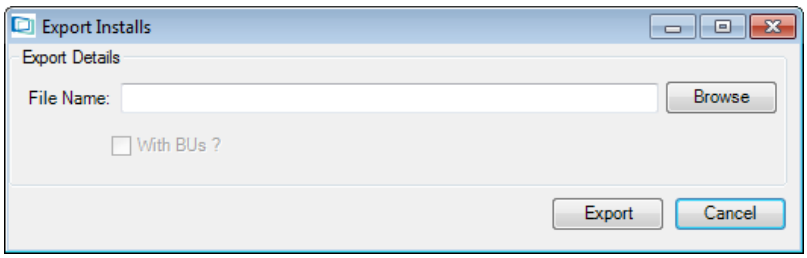
- Click **Clear Filter** to remove the filters.

Export

1. Click **Export** to export the Aggregated Summary to a CSV file. Navigate to where you want to save the file, name it and click **Save**.

Export Installs

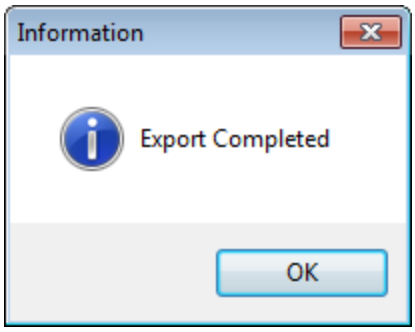
1. Click **Export Installs** to export the a summary of products installed in the Audit Run to a XML file. The Export Installs window is displayed.



2. Click **Browse**. Navigate to where you want to save the file, name it and click **Save**.

- Tick **With BUs** to include business units in the export.

3. Click **Export**. A confirmation message is displayed.

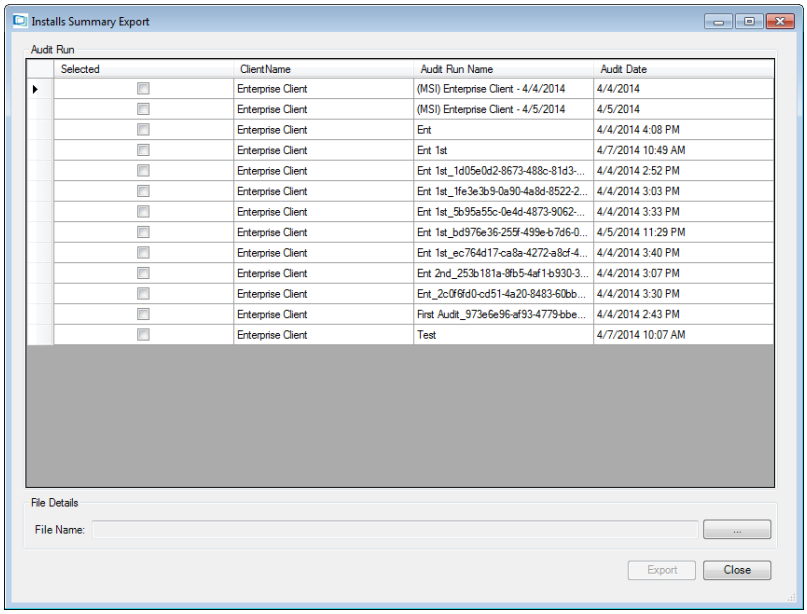


4. Click **OK**.
5. Click **Done**.

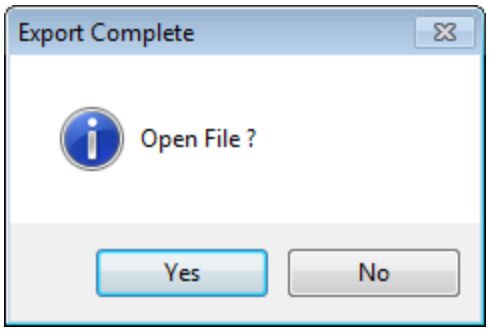
Installs Summary Export

Use Install Summary Export to export a summary of all products installed on devices in Audit Runs. The export is saved as a XML file.

1. Click **Install Summary Export**. The Install Summary Export window is displayed.



2. Tick the Audit Runs you want to export.
3. Click **...** in the File Name field. Navigate to where you want to save the file, name it and click **Save**.
4. Click **Export**. A message is displayed.

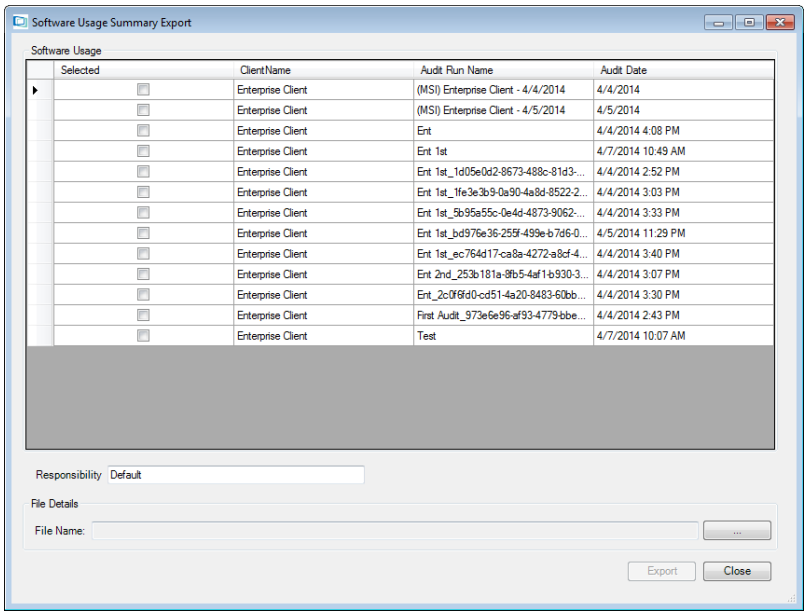


5. Click **Yes** to view the file in your default browser.

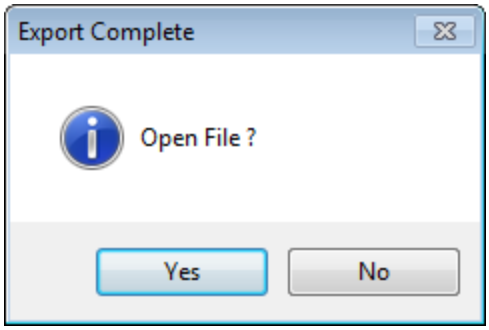
Software Usage Summary Export

Use Software Usage Summary Export to export a summary of software usage in the Audit Run. The export is saved as a XML file.

1. Click **Software Usage Summary Export**. The Software Usage Summary Export window is displayed.



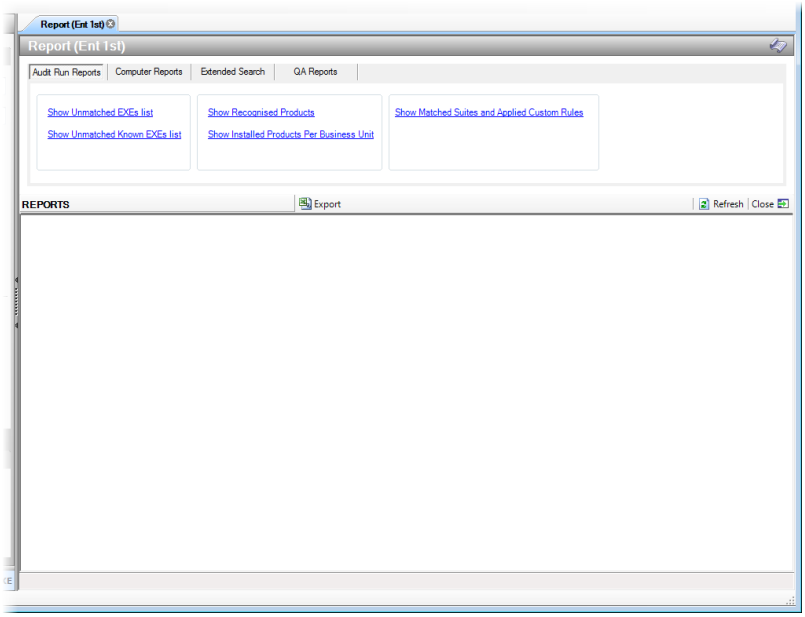
2. Tick the Audit Runs you want to export.
3. Type a **Responsibility** to filter the export to include only items with the same responsibility.
4. Click **...** in the File Name field. Navigate to where you want to save the file, name it and click **Save**.
5. Click **Export**. A message is displayed.



6. Click **Yes** to view the file in your default browser.

Reports

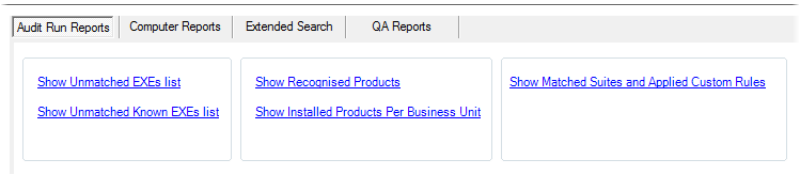
Use the Reports tab to generate reports.



Click **Export** to export a Report. Browse to where you want to save the file, name it and click **Save**.

Audit Run Reports

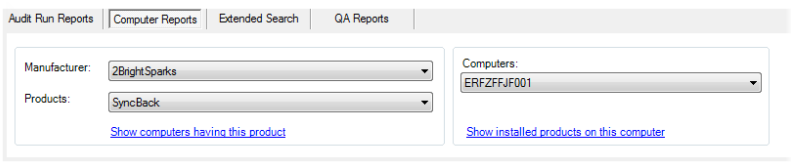
Audit Run Reports allows you to generate reports on the current audit run.



- Click **Show Unmatched EXEs list** to show a list of all EXE signatures that have not been mapped to a product in the dictionary.
- Click **Show Unmatched Known EXEs list** to show a list of all known EXE signatures that have not been mapped to a product in the dictionary.
- Click **Show Recognised Products** to show a list of all products in the Audit Run which are also in the dictionary.
- Click **Show Installed Products** to show a list of all installed products in the Audit Run, broken down by business unit.
- Click **Show Matched Suites and Applied Custom Rules** to show a list of all that have been affected by a suite or rule.

Computer Reports

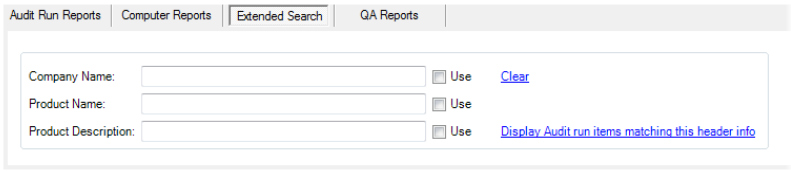
Computer Reports allows you to generate report based on devices in the Audit Run.



- Select a **Manufacturer** and **Product**. Click **Show computers having this product** to display all devices in the Audit Run with the product installed.
- Select a **Computer**. Click **Show installed products on this computer** to display all products installed on it.

Extended Search

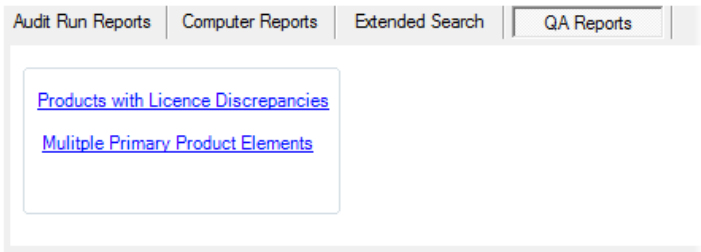
Extended Search allows you to display EXE signatures with similar header details.



- Type a **Company Name**, **Product Name** and **Product Description**.
- Tick **Use** to include the field in the search.
- Click **Display Audit run items matching this header info** to search for EXE signatures in the Audit Run.
- Click **Clear** to clear the search fields.

QA Reports

QA Reports allow you to generate reports on products in the dictionary.



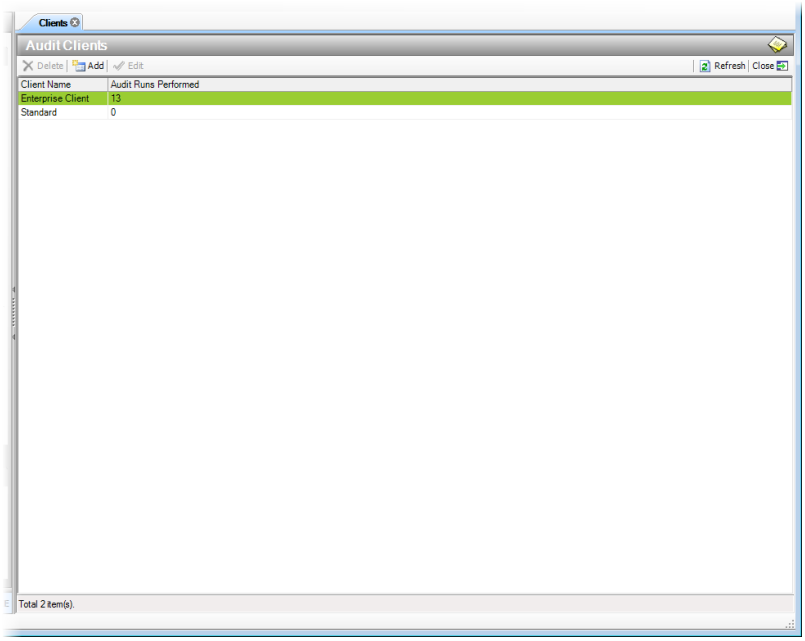
- Click **Products with License Discrepancies** to display a list of products with discrepancies in how they are licensed.
- Click **Multiple Primary Product Elements** to display a list of products with more than one primary EXE signature.

Data Cleanse EXE Dictionary Windows

Awaiting content.

Audit Clients

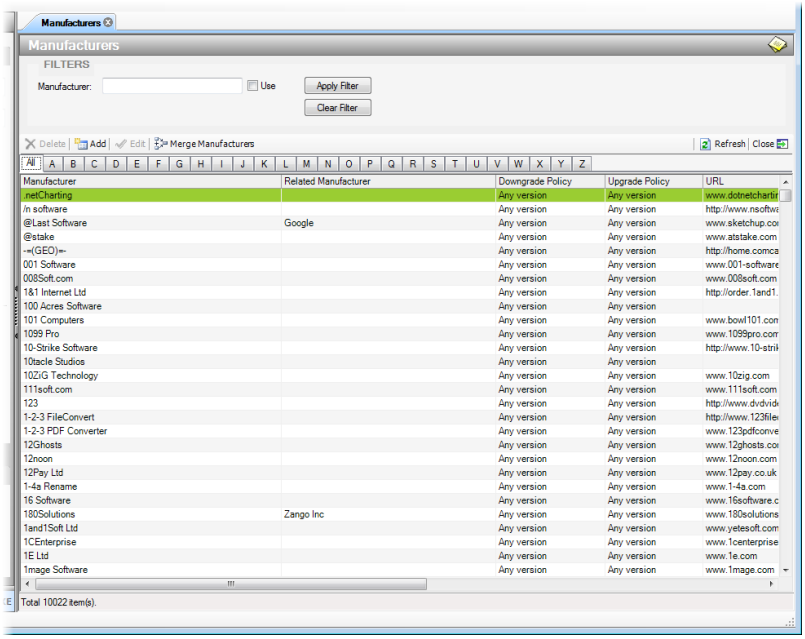
The Audit Clients dictionary shows a list of Clients in the SQL database.



- Select a client and click **Delete** to remove it from the dictionary. Audit Runs for the client will also be deleted.
- Click **Add** to add a new client. Type a **Client Name** and click **Add**.
- Select a client and click **Edit** to edit the client. Type a new **Client Name** and click **Update**.
- Click **Refresh** to refresh the dictionary.
- Click **Close** to close the tab.

Manufacturers

The Manufacturers dictionary shows all manufacturer details.



Use the Filters to filter the table.

1. Type a **Manufacturer** name.
2. Tick **Use**.
3. Click **Apply Filter**. The results are displayed in the table below.

- Click Clear Filter to remove the filters.

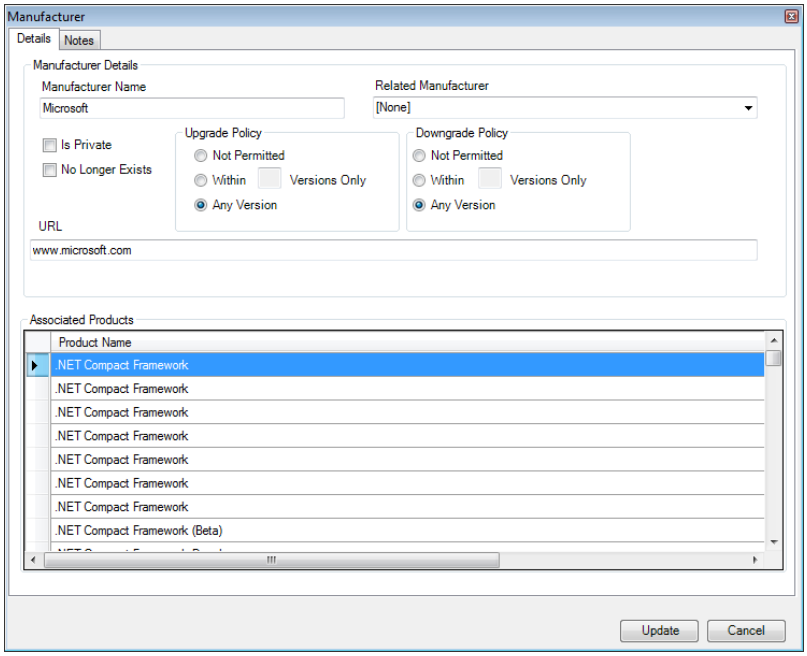
The table can display All manufacturers or be filtered by the first initial of the manufacturer name.

Most manufacturer changes are covered when importing an updated Dictionary.

Editing Manufacturer Details

- Select a manufacturer and click **Delete** to delete them.
- Click **Add** to enter the details of a new manufacturer.
- Click **Edit** to edit the details of a manufacturer.

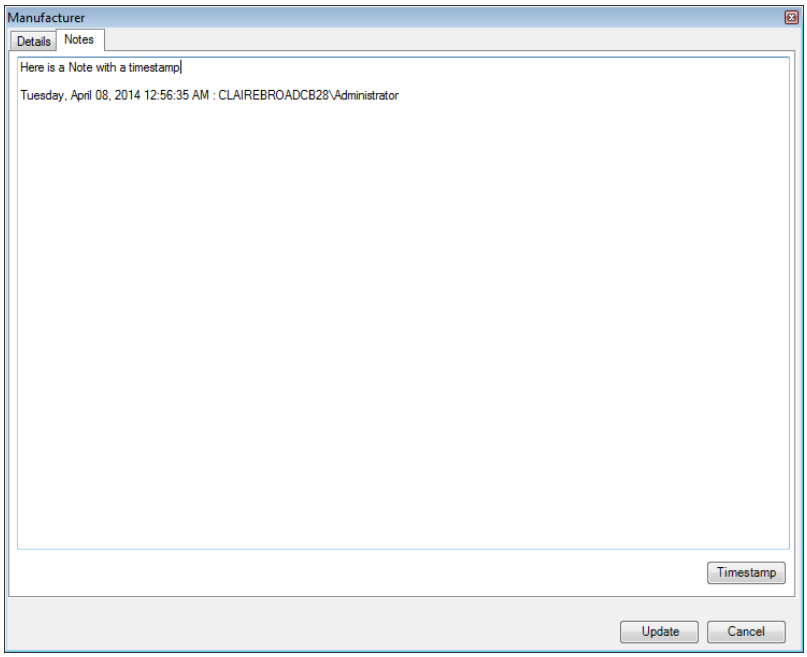
The Manufacturer window is displayed.



- Type to edit the **Manufacturer Name**.
- Select a **Related Manufacturer** if the manufacturer is a subsidiary of another manufacturer in the dictionary.
- Tick **Is Private** to indicate that the manufacturer is a private organization.
- Tick **No Longer Exists** to indicate that the manufacturer no longer operates.
- Select an **Upgrade Policy** for the manufacturer. Base Licenses can be allocated to Upgrade licenses to ensure compliance for a newer product version. The upgrade policy determines the newest product version that can be installed with an upgrade license and base license. This applies to all products for the manufacturer.
- Select a **Downgrade Policy** for the manufacturer. Base Licenses can be used to ensure compliance for an earlier product version. The Downgrade Policy determines the earliest product version that can be installed with a base license. This applies to all products for the manufacturer.
- Type to record the **URL** for the manufacturers website.

The **Associated Products** field shows all products made by the manufacturer.

The Notes tab allows you to add notes to the Manufacturer details.



- Type in the field.
- Click **Timestamp** to the current date, time and your computer name to the note.

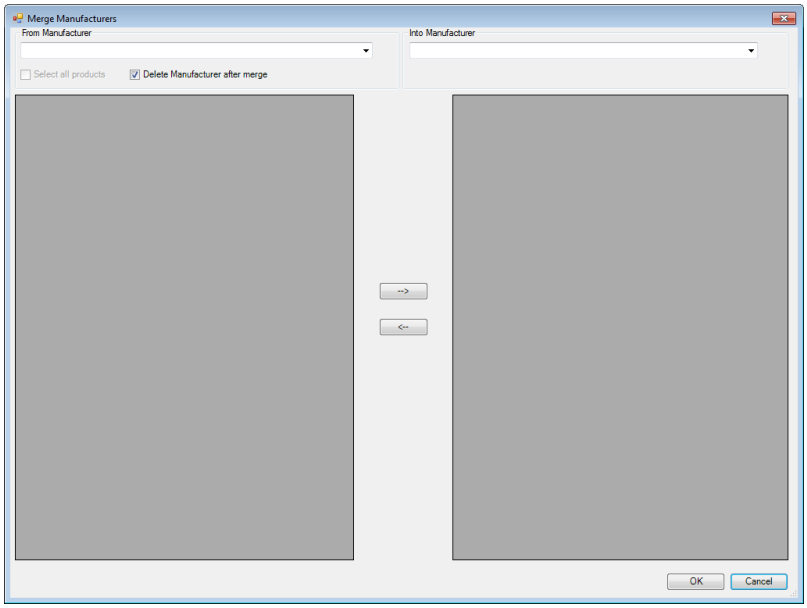
The final options in the tab vary depending on if you are editing, adding or deleting a manufacturer.

- Click **Delete** to delete the manufacturer and all associated products.
- Click **Add** to add the new manufacturer.
- Click **Update** to save any edits.
- Click **Cancel** to cancel any changes.

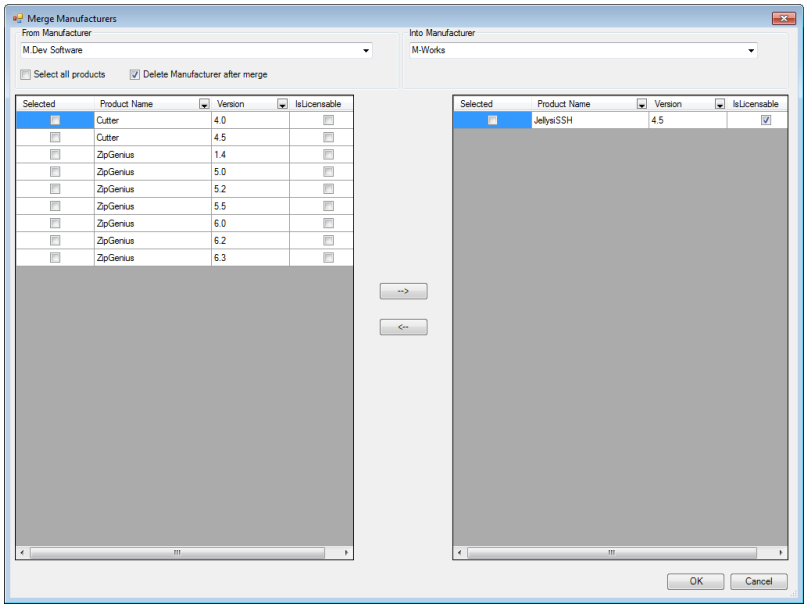
Merging Manufacturers

The Merge Manufacturers function is used to correct errors that have been made when inputting data, such as entering a manufacturer with a duplicate name. *Please note, this should not be used to merge manufacturers following an acquisition. The Related Manufacturer field is used to link subsidiary companies to the parent company. This ensures that products are always recorded against the manufacturer which built them.*

Click **Merge Manufacturers** to merge multiple manufacturers into one. The Merge Manufacturers window is displayed.



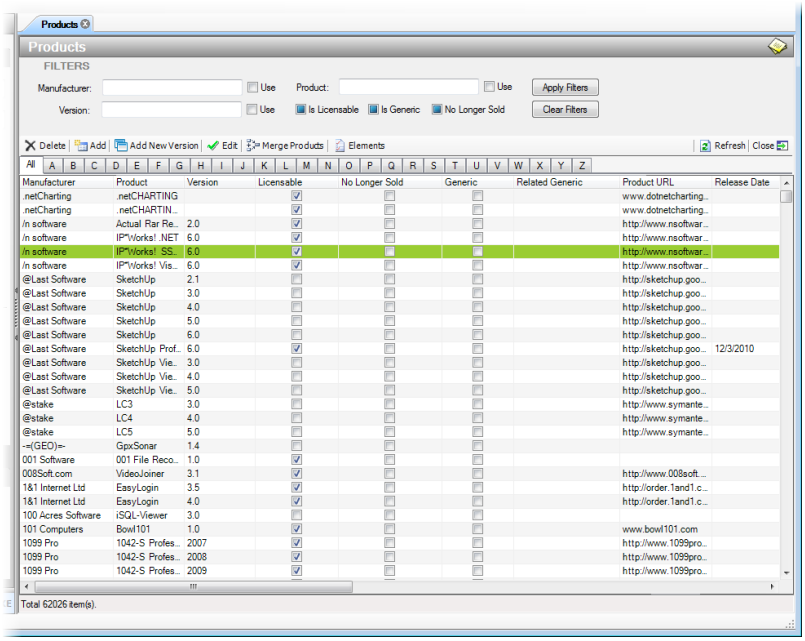
1. Select a merge **From Manufacturer**. The manufacturer products are displayed in the field below.
2. Select a merge **Into Manufacturer**. The manufacturer products are displayed in the field below.



3. Tick a product or **select all products** and click the left or right arrow to move it between Manufacturers.
4. Tick Delete Manufacturer after merge to delete the From Manufacturer after the merge is complete.
5. Click **OK**.

Products

The Products dictionary shows all product details.



Use the Filters to filter the table.

1. Type a **Manufacturer**, **Product** or **Version**.
2. Tick **Use** to include a typed filter.
3. Tick **Is Licensable**, **Is Generic** or **No Longer Sold** to include product of that type when filtering.
4. Click **Apply Filter**. The results are displayed in the table below.

- Click **Clear Filter** to remove the filters.

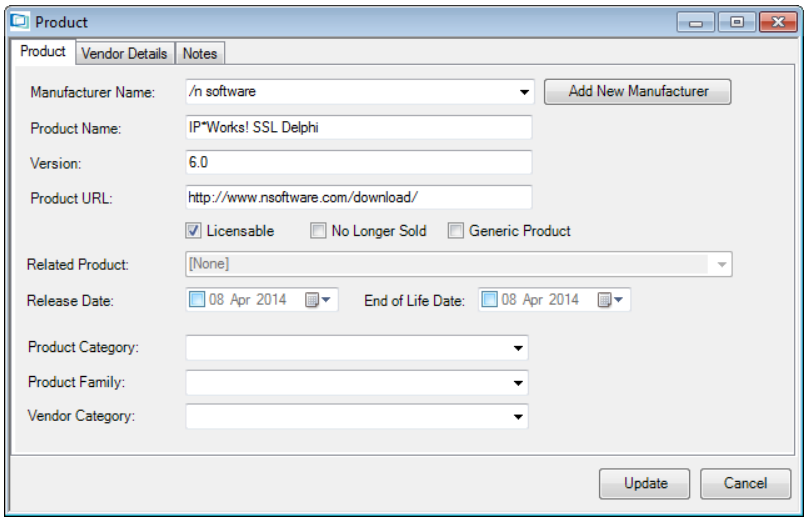
The table can display all products or be filtered by the first initial of the product name.

Most product changes are covered when importing an updated Dictionary.

Editing Product Details

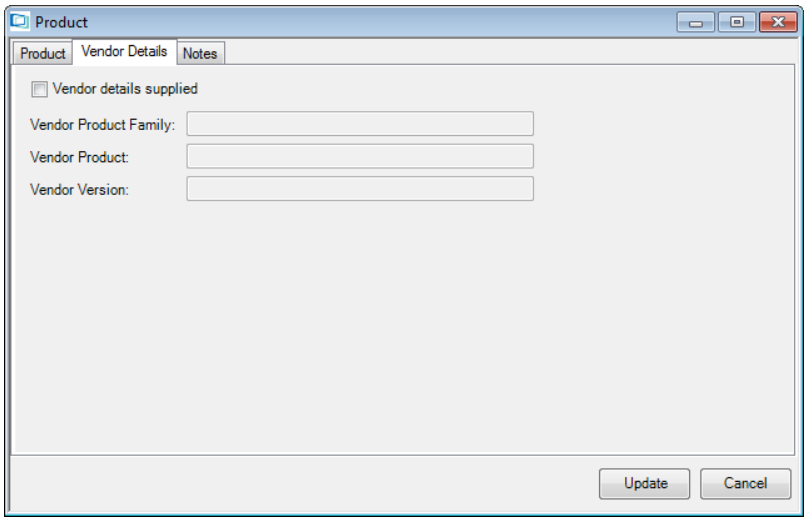
- Select a Product and click **Delete** to delete it.
- Click **Add** to enter the details of a new product.
- Select a product and click **Add New Version** to add a new version of the product based on the same details.
- Select a product and click **Edit** to edit it.

The Product window is displayed.



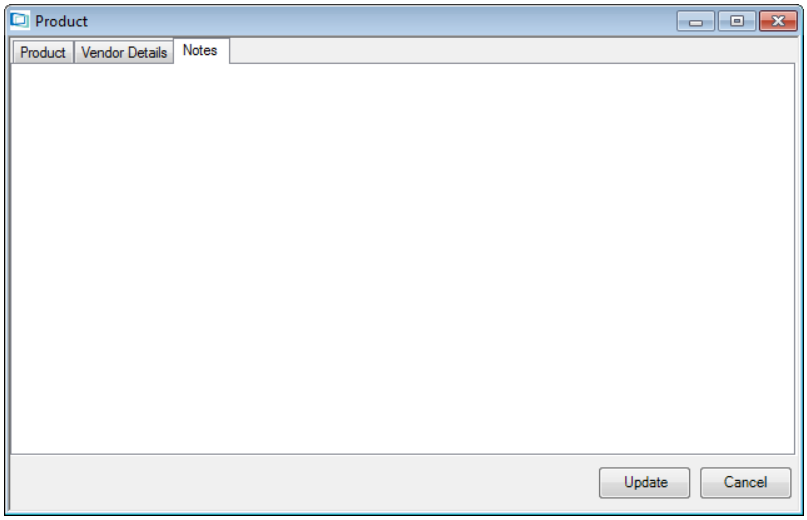
- Type to edit the **Manufacturer Name** or click **Add New Manufacturer** to add a new manufacturer.
- Type to Edit the **Product Name** and **Version**.
- Type the **URL** address for the product website.
- Tick **Is Licensable** to indicate that the product needs to be licensed for use.
- Tick **No Longer Sold** to indicate that the product in not available for purchase.
- Tick **Generic Product** to indicate it is a generic product.
- Select a **Related Product** if this product is related to another.
- The **Release Date** indicates when the product became available.
- The **End of Life Date** is used to link together products which can be upgraded.
- Type to set a **Product Category**.
- The **Product Family** is used to link products together for Upgrades, Downgrades and License Allocation.
- Type to set a **Vendor Category**.

The vendor details tab is used to indicate which company the product has been purchased from if it does not come directly from the manufacturer.



- Tick **Vendor details supplied** if you know where the product was purchased.
- Type to set a **Vendor Product Family**.
- Type to set a **Vendor Product Name**.
- Type to set a **Vendor Version**.

The Notes tab allows you to add notes to the Product details.



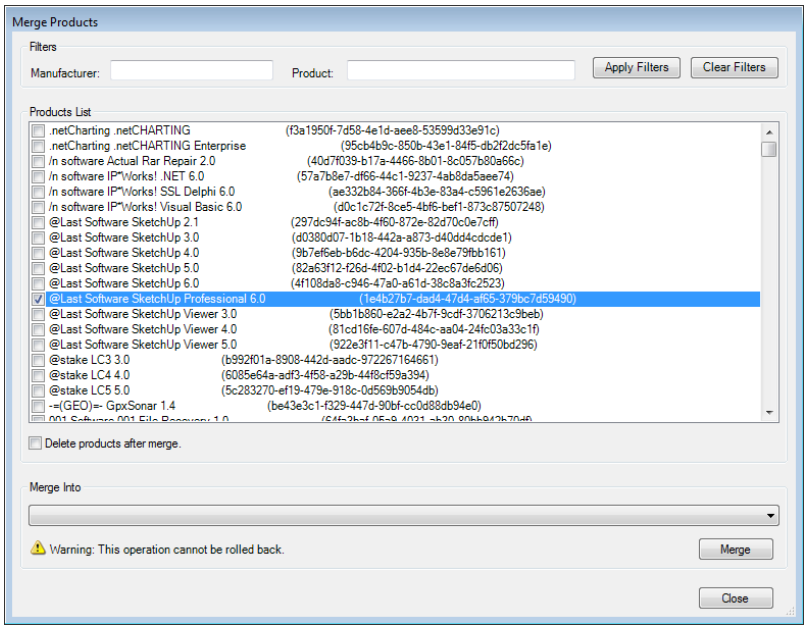
- Type in the field.

The final options in the tab vary depending on if you are editing, adding or deleting a product or product version.

- Click **Delete** to delete the product and all associated signatures.
- Click **Add** to add the new product.
- Click **Commit** to add the new product version
- Click **Update** to save any edits.
- Click **Cancel** to cancel any changes.

Merging Products

1. Click **Merge Products** to merge multiple products made by the same manufacturer into one. The Merge Products window is displayed.


Merge Products
Filters
Manufacturer:
Product:
Apply Filters
Clear Filters
Products List
.netCharting .netCHARTING (f3a1950f-7d58-4e1d-aee8-53599d33e91c)
.netCharting .netCHARTING Enterprise (95cb4b9c-850b-43e1-84f5-db2f2dc5fa1e)
/n software Actual Rar Repair 2.0 (40d7f039-b17a-4466-8b01-8c057b80a66c)
/n software IP*Works! .NET 6.0 (57a7b8e7-df66-44c1-9237-4ab8da5aee74)
/n software IP*Works! SSL Delphi 6.0 (ae332b84-366f-4b3e-83a4-c5961e2636ae)
/n software IP*Works! Visual Basic 6.0 (d0c1c72f-8ce5-4bf6-bef1-873c87507248)
@Last Software SketchUp 2.1 (297dc94f-ac8b-4f60-872e-82d70c0e7cff)
@Last Software SketchUp 3.0 (d0380d07-1b18-442a-a873-d40dd4cdcde1)
@Last Software SketchUp 4.0 (9b7ef6eb-b6dc-4204-935b-8e8e79fbb161)
@Last Software SketchUp 5.0 (82a63f12-f26d-4f02-b1d4-22ec67de6d06)
@Last Software SketchUp 6.0 (4f108da8-c946-47a0-a61d-38c8a3fc2523)
@Last Software SketchUp Professional 6.0 (1e4b27b7-dad4-47d4-af65-379bc7d59490)
@Last Software SketchUp Viewer 3.0 (5bb1b860-e2a2-4b7f-9cdf-3706213c9beb)
@Last Software SketchUp Viewer 4.0 (81cd16fe-607d-484c-aa04-24fc03a33c1f)
@Last Software SketchUp Viewer 5.0 (922e3f11-c47b-4790-9eaf-21f0f50bd296)
@stake LC3 3.0 (b992f01a-8908-442d-aadc-972267164661)
@stake LC4 4.0 (6085e64a-adf3-4f58-a29b-44f8cf59a394)
@stake LC5 5.0 (5c283270-ef19-479e-918c-0d569b9054db)
-=(GEO)=- GpxSonar 1.4 (be43e3c1-f329-447d-90bf-cc0d88db94e0)
Delete products after merge.
Merge Into
Warning: This operation cannot be rolled back.
Merge
Close

2. Use the **Filters** to filter the **Products List**.

- Type a **Manufacturer** or **Product** name. Click **Apply Filters**.
- Click **Clear Filters** to remove any filters from the Products List.

3. Select Products in the Products List

- Tick Products to merge them into another product.
- Tick **Delete** products after merging to delete the product after the merge is complete.

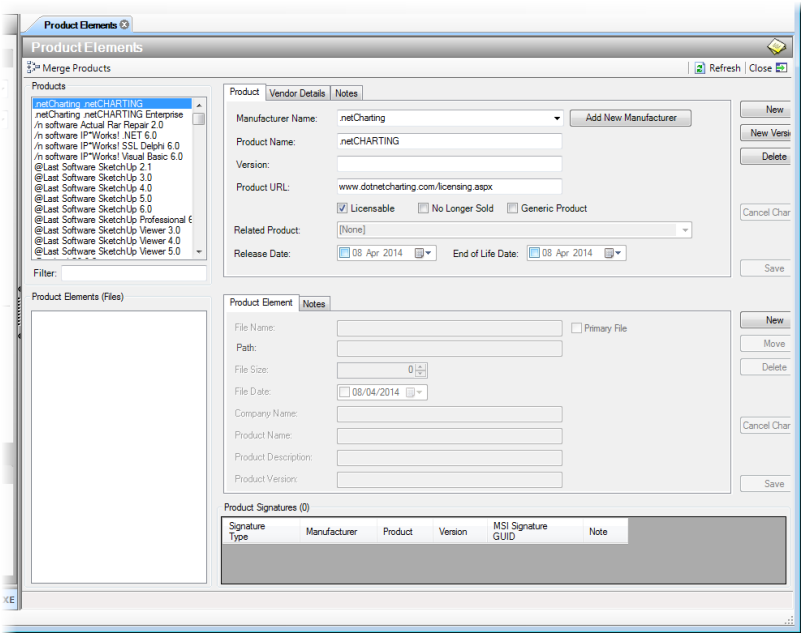
4. Select a Product in the **Merge Into** field.
5. Click **Merge**.
6. Click **Close**.

Elements

Select a product and click Elements to view it in the Product Elements dictionary.

Product Elements

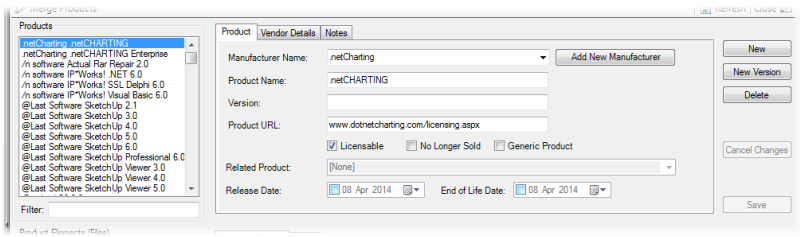
The Product Elements dictionary displays all products and the EXE signatures mapped to them.



- The Products section shows all products in the list. The list can be filtered by product name.
- Select a Product to display the product details in the fields beside the list. EXE signatures mapped to the product are displayed in the Product Elements field.
- Select a Product Element to display details of the EXE signature in the fields beside the list.

Editing Products

- Select a product and edit the fields.
- Click **New** to clear the form and enter the details of a new product.
- Select a product and click **New Version** to add a new version of the product based on the same details.
- Select a product and click **Delete** to delete it. A warning message is displayed, click **Yes**.



- Type to edit the **Manufacturer Name** or click **Add New Manufacturer** to add a new manufacturer.
- Type to Edit the **Product Name** and **Version**.
- Type the **URL** address for the product website.
- Tick **Is Licensable** to indicate that the product needs to be licensed for use.
- Tick **No Longer Sold** to indicate that the product in not available for purchase.
- Tick **Generic Product** to indicate it is a generic product.
- Select a **Related Product** if this product is related to another.
- The **Release Date** indicates when the product became available.
- The **End of Life Date** is used to link together products which can be upgraded.

The vendor details tab is used to indicate which company the product has been purchased from if it does not come directly from the manufacturer.

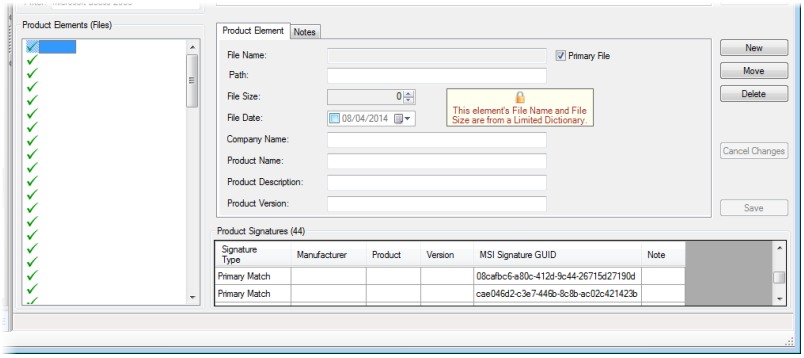
- Tick **Vendor details supplied** if you know where the product was purchased.
- Type to set a **Vendor Product Family**.
- Type to set a **Vendor Product Name**.
- Type to set a **Vendor Version**.

The Notes tab allows you to add notes to the Product details.

- Click **Save** to save any edits.
- Click **Cancel Changes** to cancel any changes.

Editing Product Elements

- Select a Product Element and edit the fields.
- Click **New** to to clear the form and enter the details of a new product element.
- Select a Product Element and click **Move** to map it to a different product. Browse for the product, select it and click **OK**.
- Select a Product Element and click **Delete** to delete it. A warning message is displayed, click **Yes**.



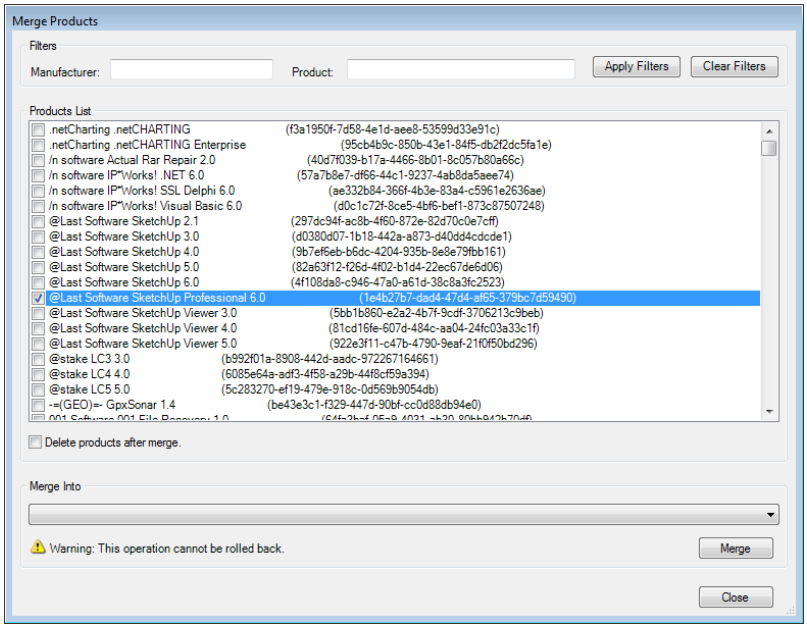
- Type to edit the **File Name** of the signature.
- Tick **Primary** to indicate it is a primary product element.
- The **Path** indicates where the element is installed on a Device.
- The **File** Size shows the size of the element .
- The **File Date** shows when the element was created.
- The **Company Name** shows which manufacturer made the element.
- The **Product Name** shows the name of the product the element is a part of.
- The **Product Description** shows a description of the product.
- The **Product Version** shows the version number of the product.

The Notes tab allows you to add notes to the Product Element.

Product Signatures shows details of the mapped MSI signatures.

Merging Products

1. Click **Merge Products** to merge multiple products made by the same manufacturer into one. The Merge Products window is displayed.


Merge Products
Filters
Manufacturer:
Product:
Apply Filters
Clear Filters
Products List
.netCharting .netCHARTING (f3a1950f-7d58-4e1d-aee8-53599d33e91c)
.netCharting .netCHARTING Enterprise (95cb4b9c-850b-43e1-84f5-db2f2dc5fa1e)
/n software Actual Rar Repair 2.0 (40d7f039-b17a-4466-8b01-8c057b80a66c)
/n software IP*Works! .NET 6.0 (57a7b8e7-df66-44c1-9237-4ab8da5aee74)
/n software IP*Works! SSL Delphi 6.0 (ae332b84-366f-4b3e-83a4-c5961e2636ae)
/n software IP*Works! Visual Basic 6.0 (d0c1c72f-8ce5-4bf6-bef1-873c87507248)
@Last Software SketchUp 2.1 (297dc94f-ac8b-4f60-872e-82d70c0e7cff)
@Last Software SketchUp 3.0 (d0380d07-1b18-442a-a873-d40dd4cdcde1)
@Last Software SketchUp 4.0 (9b7ef6eb-b6dc-4204-935b-8e8e79fbb161)
@Last Software SketchUp 5.0 (82a63f12-f26d-4f02-b1d4-22ec67de6d06)
@Last Software SketchUp 6.0 (4f108da8-c946-47a0-a61d-38c8a3fc2523)
@Last Software SketchUp Professional 6.0 (1e4b27b7-dad4-47d4-af65-379bc7d59490)
@Last Software SketchUp Viewer 3.0 (5bb1b860-e2a2-4b7f-9cdf-3706213c9beb)
@Last Software SketchUp Viewer 4.0 (81cd16fe-607d-484c-aa04-24fc03a33c1f)
@Last Software SketchUp Viewer 5.0 (922e3f11-c47b-4790-9eaf-21f0f50bd296)
@stake LC3 3.0 (b992f01a-8908-442d-aadc-972267164661)
@stake LC4 4.0 (6085e64a-adf3-4f58-a29b-44f8cf59a394)
@stake LC5 5.0 (5c283270-ef19-479e-918c-0d569b9054db)
-=(GEO)=- GpxSonar 1.4 (be43e3c1-f329-447d-90bf-cc0d88db94e0)
Delete products after merge.
Merge Into
Warning: This operation cannot be rolled back.
Merge
Close

2. Use the **Filters** to filter the **Products List**.

- Type a **Manufacturer** or **Product** name. Click **Apply Filters**.
- Click **Clear Filters** to remove any filters from the Products List.

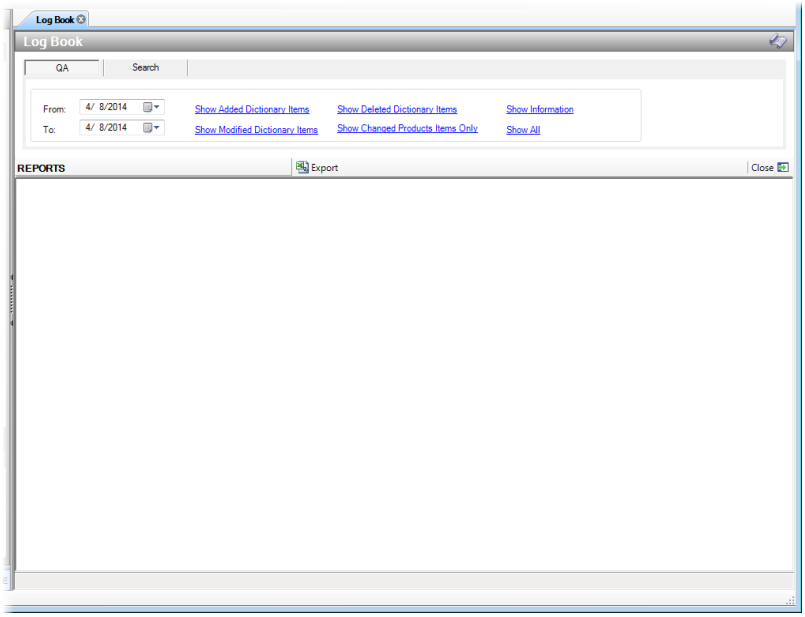
3. Select Products in the Products List

- Tick Products to merge them into another product.
- Tick **Delete** products after merging to delete the product after the merge is complete.

4. Select a Product in the **Merge Into** field.
5. Click **Merge**.
6. Click **Close**.

Log Book

The Log Book is used to generate reports on changes made to the dictionaries.



Use the QA tab to generate reports on actions taken in Data Cleanse EXE over a period of time.

- Select a **From** date.
- Select a **To** date.
- Click **Show Added Dictionary Items** to display all items added to the dictionary between the dates.
- Click **Show Modified Dictionary Items** to display all changes to the dictionary between the dates.
- Click **Show Deleted Dictionary Items** to display all items deleted from the dictionary between the dates.
- Click **Show Changed Products Items Only** to display all items changed in the products dictionary between the dates.
- Click **Show Information** to display log information between the dates.
- Click **Show All** to display all logs between the dates.

Use the Search tab to find logs regarding a Product Element.

Click **Export** to export the log data. Browse to where you want to save the file, name it and click **Save**.

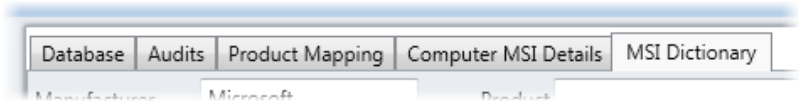
Data Cleanse MSI User Manual

How to Navigate Data Cleanse MSI

The features of Data Cleanse MSI are split into tabs. Each tab has a unique set of tasks and controls to perform the MSI Data Cleanse process. Audit Runs are selected to manage which data set you are working on.

Tabs

There are five tabs in Data Cleanse MSI.



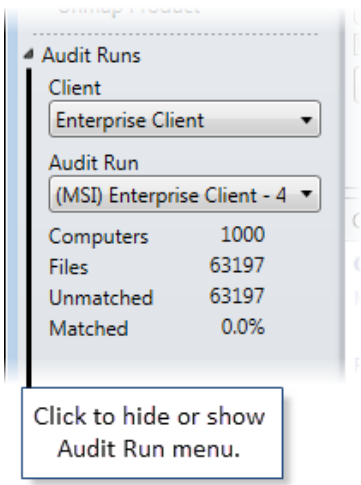
- The Database tab is the default landing page for Data Cleanse MSI. It is used to connect Data Cleanse MSI to a SQL Database and maintain the dictionaries.
- The Audits tab displays statistics of a MSI Audit Run. It is used to import Audits and perform tasks on all data within an Audit Run.
- The Product Mapping tab is used to map unknown MSI signatures in an Audit Run to products in the dictionary.
- The Computer MSI Details tab displays all devices and MSI files discovered in an Audit Run.
- The MSI Dictionary tab displays MSI files mapped to products in the dictionary.

Click a tab heading to view it.

Audit Runs

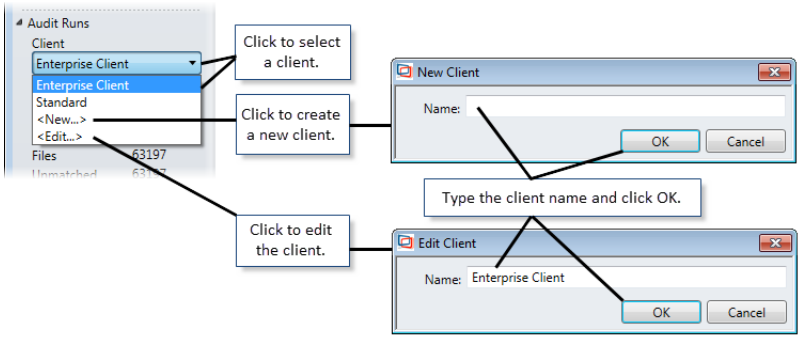
Audit data is imported in the Audits tab. An Audit Run is created when data is imported. The Audit Run represents the entire dataset of MSI signatures discovered by a software discovery tool. Audit Runs are given a date and assigned to a client. This shows a history of installed software in the clients organization and can be used to show how the software has changed over time.

Each tab, excluding the Database tab, allows you to select an Audit Run to work on. Audit Runs are displayed in the Audit Runs menu.

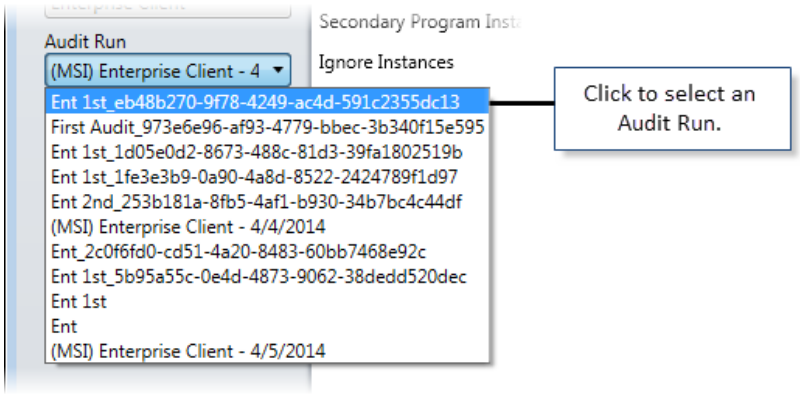


How to select an Audit Run

1. Select a **Client**.



2. Select an **Audit Run**.



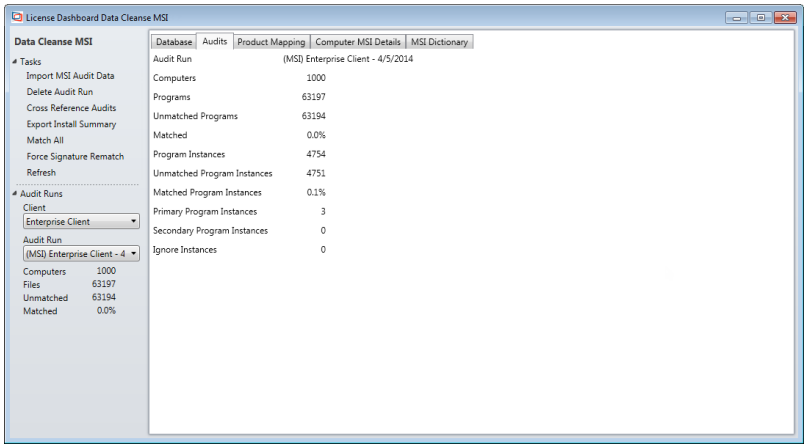
- The Audit Runs menu shows an overview of the Audit data.
- The Audit data is displayed in each tab.

Data Cleanse MSI Tabs

Awaiting content.

Audits Tab

The Audits tab displays statistics of a MSI Audit Run. It is used to import Audits and perform tasks on all data within an Audit Run.

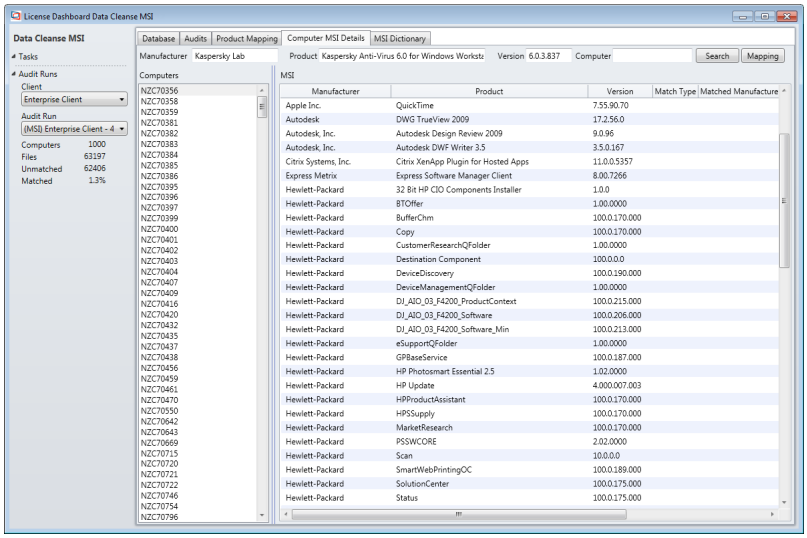


This tab is view only.

There are seven tasks in the Audits tab.

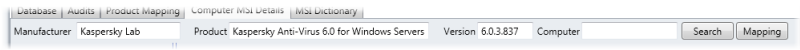
Computer MSI Details Tab

The Computer MSI Details tab displays all devices and MSI files discovered in an Audit Run.



Searching

Use the search fields to find MSI signatures in the Audit Run.



1. Type the search parameters. You can search by:

- **Manufacturer**.
- **Product**.
- Product **Version**.
- **Computer** name.

2. Click **Search**. Devices with an MSI signature that matches the search parameters are displayed in the Computer field.

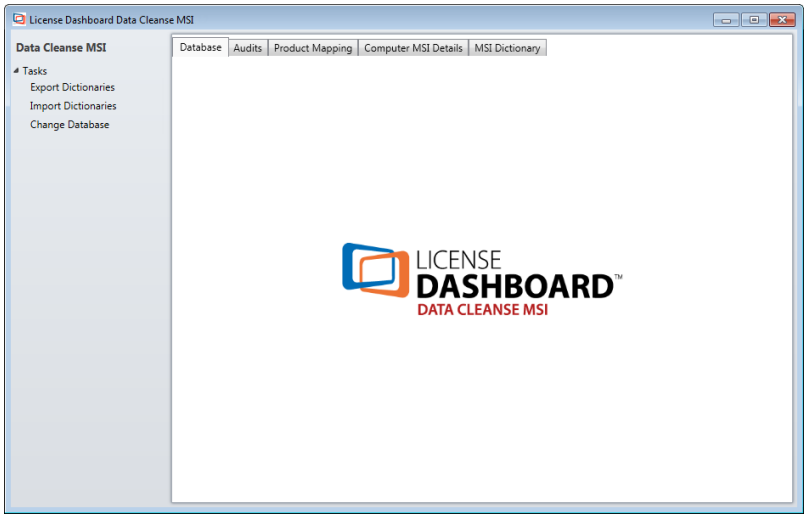
Mapping

Use the Mapping button to view the mapping details of MSI signatures.

1. Click to select a **Computer**. The MSI field displays all MSI signatures on the computer.
2. Click to select an **MSI** signature.
3. Click **Mapping**. The MSI signature is displayed in the Product Mapping tab.

Database Tab

The Database tab is used to connect Data Cleanse MSI to a SQL Database and maintain the dictionary. It is the default landing page for Data Cleanse MSI.

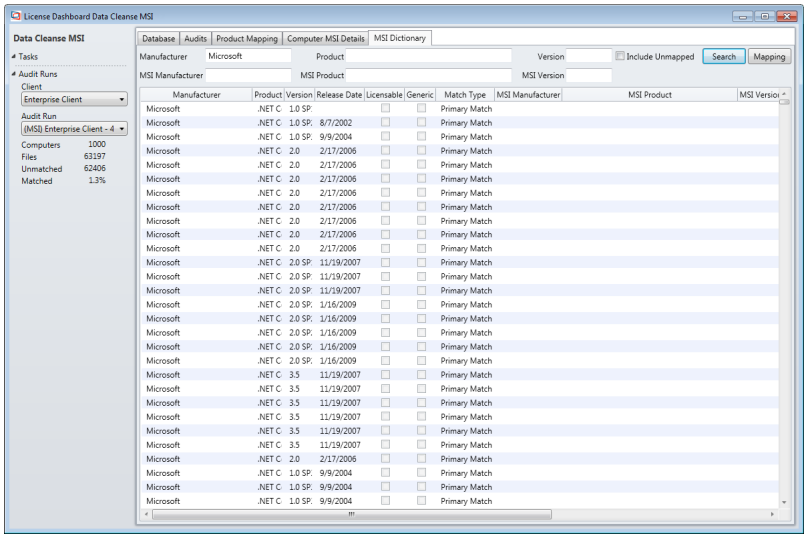


This tab is view only.

There are three tasks in the Database tab.

MSI Dictionary Tab

The MSI Dictionary is used to search for MSI Signatures in the database.



Searching and Filtering

Use the search and filters to find MSI signatures.

1. Type the search parameters. You can search the dictionary and Audit Run by:

- **Manufacturer**.
- **Product**.
- Product **Version**.
- **MSI Manufacturer**.
- **MSI Product**.
- **MSI Version**.

2. Select the filters.

- Tick **Include Unmapped** to include unmapped MSI signatures in the search results.

3. Click **Search**.

Mapping

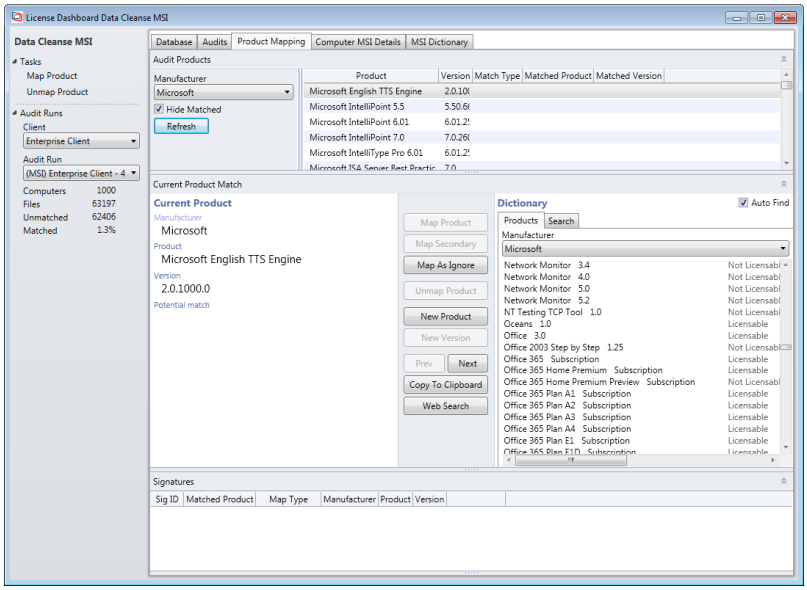
Use the Mapping button to view the mapping details of MSI signatures.

1. Click to select an **MSI** signature.
2. Click **Mapping**. The MSI signature is displayed in the Product Mapping tab.

Product Mapping Tab

The Product Mapping tab is used to map unknown MSI signatures in an Audit Run to products in the dictionary.

Please Note, when a signature is mapped, it only affects the device you are working on. The Match All task is used to replicate mapping across all devices in the Audit run.

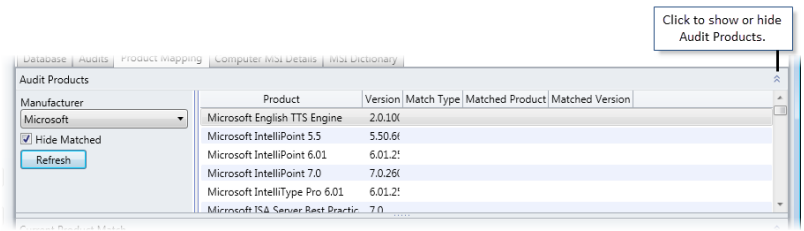


The tab is split into three sections.

- Audit Products displays all MSI signatures on devices in the Audit Run.
- Current Product Match is split into two fields. The Current Product field displays details of the MSI signature selected in the Audit Product tab. The Dictionary field displays potential products which the MSI Signature can be matched to.
- Signatures displays a list of MSI signatures already mapped to the product highlighted in the Dictionary field.

Audit Products

Audit Products displays all MSI signatures on devices in the Audit Run.

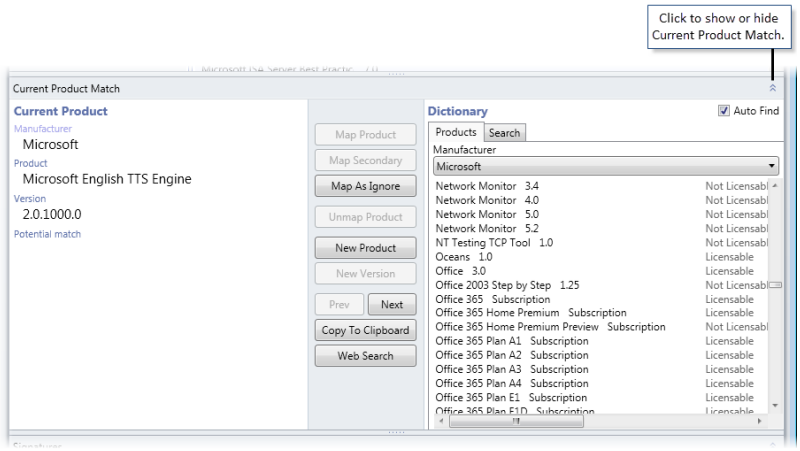


- Select a **Manufacturer** to filter the table by manufacturer.
- Tick **Hide Matched** to hide MSI signatures that have already been mapped.
- Click **Refresh** to refresh the list of MSI signatures.
- Click on a product in the list to select it.

Current Product Match

Current Product Match is split into two fields.

- The **Current Product** field displays details of the MSI signature selected in the Audit Products field.
- The **Dictionary** field displays potential products which the MSI Signature can be matched to.



1. Use the Dictionary field to select a product in the dictionary.

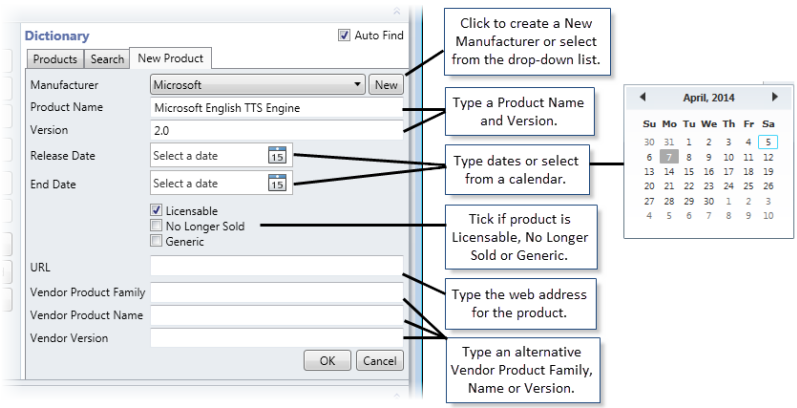
- Tick **Auto Find** to automatically search for products in the Dictionary.
- Select a **Manufacturer** to filter the list of products by a manufacturer.
- Click **Search** to display the search tab. Input the product name in the **Find Name** field. Click **Go** to search for the product.

2. Use the Current Product field to map the MSI signature to the product selected in the Dictionary field.

- Click **Map Product** to map the MSI signature to the product as a primary MSI signature.
- Click **Map Secondary** to map the MSI signature to the product as a secondary signature.
- Click **Map as Ignore** to ignore the MSI signature.
- Click **Prev** to move to the previous MSI signature in the Audit Products list.
- Click **Next** to move to the next MSI signature in the Audit Products list.
- Click **Copy to Clipboard** to copy the MSI details to the clipboard.
- Click **Unmap Product** to remove the Current Product details that have been matched to the MSI signature.
- Click **Web Search** to open your default web browser and search for the product on the Internet.

How to create a new product or product version in the dictionary.

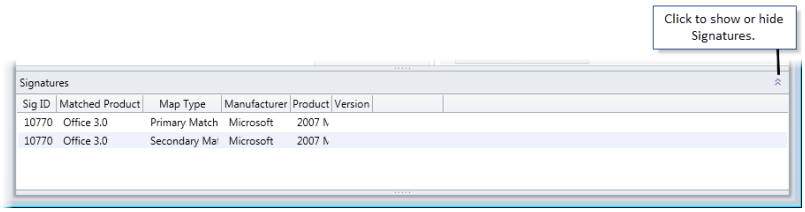
1. Select a Product in the Dictionary.
2. Click **New Product** or **New Version**. The New Product tab is displayed.



3. Click **OK**. The New Product or Version is added to the dictionary and is available to Match to the MSI signature.

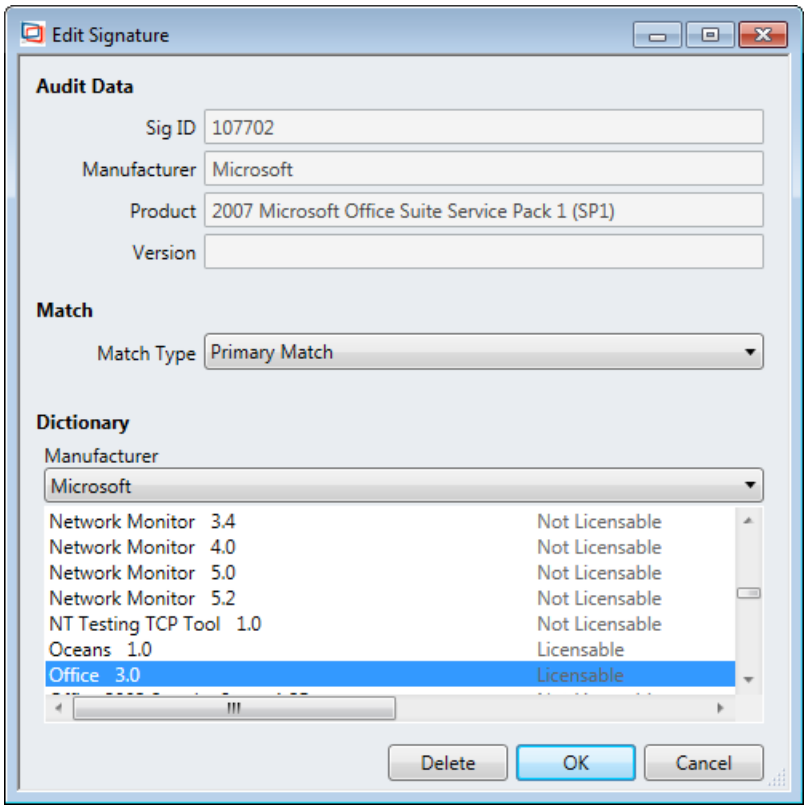
Signatures

Signatures displays a list of MSI signature IDs already mapped to the highlighted product in the Dictionary field.



How to Edit a Mapped MSI Signature

1. Select a signature.
2. Click **Edit**. The Edit Signature window is displayed.



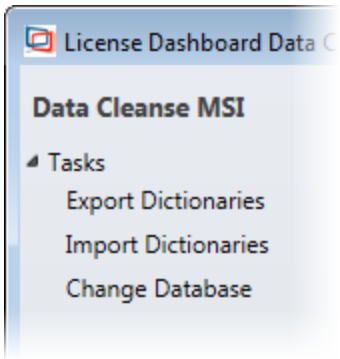
- The **Audit Data** fields displays the current mapping details of the MSI signature.
- The **Match** field allows you to edit the Match Type.
- The **Dictionary** fields allow you to re-map the MSI signature to an alternative product or product version.
- Click **Delete** to remove the signature from the dictionary.

3. Click **OK** to save any changes.

Tasks

Each tab in Data Cleanse MSI has a different Tasks list. Each list provides a number of tasks which can be performed in addition to the available functions within the tab.

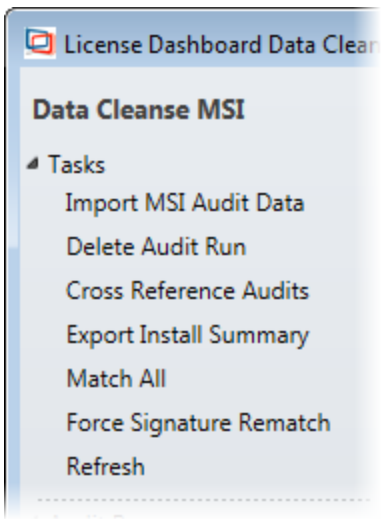
Database Tasks



There are three tasks in the Database tab.

- Export Dictionaries allows you to save a copy of the changes made to your MSI Dictionary since it was imported.
- Import Dictionaries allows you to update or replace your MSI Dictionary.
- Change Database allows you to connect to a different SQL Server database or instance.

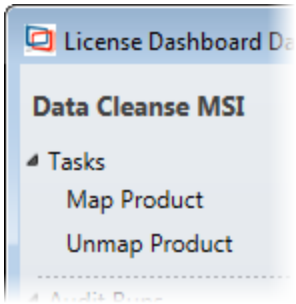
Audits Tasks



There are seven tasks in the Audits tab.

- Import MSI Audit Data allows you to import raw MSI signature data extracted by a software discovery tool.
- Delete Audit Run allows you to delete the MSI Audit Run.
- Cross Reference Audits allows you to cross reference products discovered in an MSI Audit Run with products discovered in an EXE Audit Run.
- Export Install Summary allows you to export a summary of installed products.
- Match All allows you to replicate MSI signature mapping across all devices in the Audit Run.
- Force Signature Rematch allows you to remap all MSI signatures to products in the dictionary.
- Refresh allows you to refresh the data.

Product Mapping Tasks



There are two tasks in the Product Mapping tab.

- Map Product allows you to map the MSI signature to the product.
- Unmap Product allows you to unmap the MSI signature from the product.

Computer MSI Details Tasks

There are no tasks in the Computer MSI Details tab.

MSI Dictionary Tasks

There are no tasks in the MSI Dictionary tab.

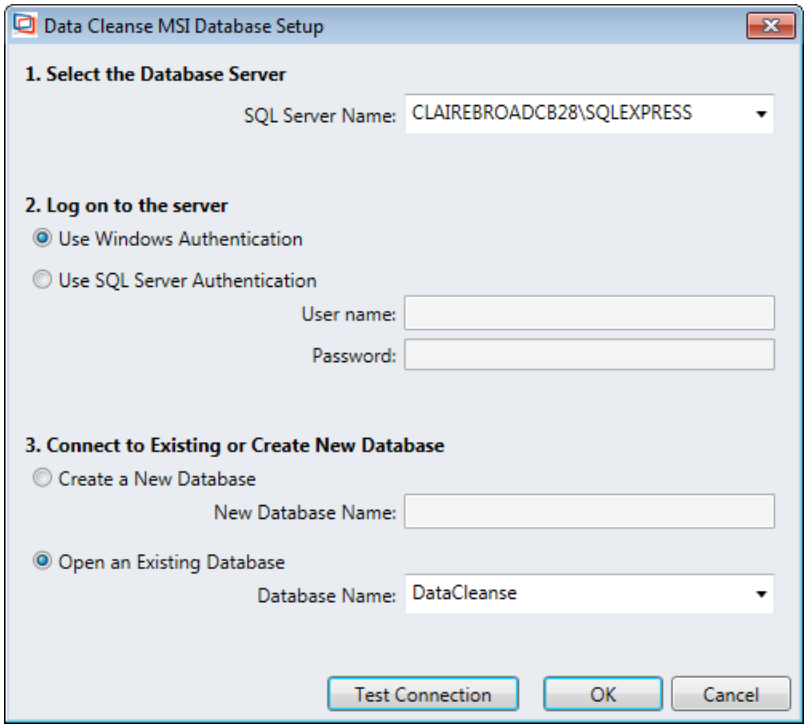
Change Database

The Change Database task allows you to connect to a different SQL Server database or instance. You will need to know:

- The name of the computer the database is running on.
- The name of the instance the database is installed as.

Please Note, if you change database you will not be able to access the clients or audit runs in the current database.

1. Click **Change Database**. The Data Cleanse MSI Database Setup window is displayed.



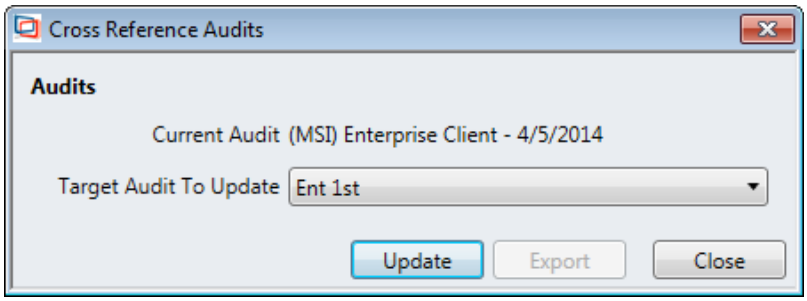
2. Type in the SQL Server Name. The correct format is **SQL-SERVER-COMPUTER-NAME\INSTANCE-NAME**.
3. Select the authentication type to use for the SQL Server.
4. If you are creating a new database and type in the **New Database Name**. If you have an existing database, select **Open an Existing Database** and select it from the drop-down list.
5. Click the **Test Connection** button to verify the entered details are correct. If successful, a Connection Succeeded message will be displayed. If there is a problem, an error message will appear. Click OK to close the message.
6. Click **OK**.

Cross Reference Audits

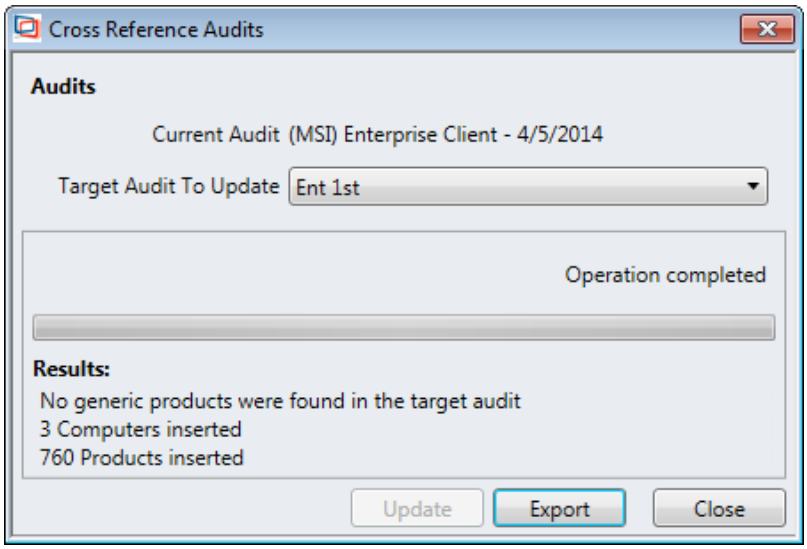
Use the Cross Reference Audits task to Cross Reference products discovered in a EXE Audit Run with products discovered in a MSI Audit Run. Only the target EXE Audit run is updated. It is updated to include devices and products in the MSI Audit Run which have not been discovered in the target EXE Audit Run.

Please note, EXE Audit Runs are cleansed using Data Cleanse EXE. Data Cleanse EXE & MSI *must be connected to the same database in order to cross reference EXE and MSI Audit Runs. Use the Change Database task to connect to a SQL database.*

1. Select an Audit Run in the Audit Run menu.
2. Click **Cross Reference Audits**. The Cross Reference Audits window is displayed.



3. Select the **Target Audit To Update**.
4. Click **Update**. A progress bar is displayed. A message is displayed when the process is complete. The cross reference results are displayed.



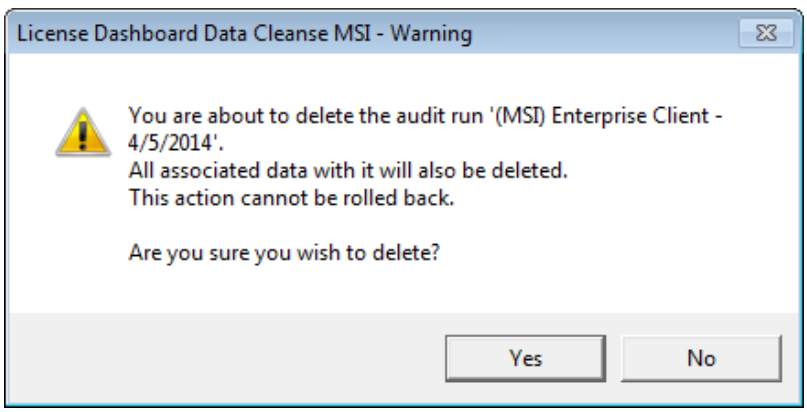
- Click **Export** to run the Export Install Summary task for the Target Audit Run.

5. Click **Close**.

Delete Audit Run

Use the Delete Audit Run task to delete a MSI or EXE Audit Run.

1. Select an Audit Run in the Audit Run menu.
2. Click **Delete Audit Run**. A warning message is displayed.

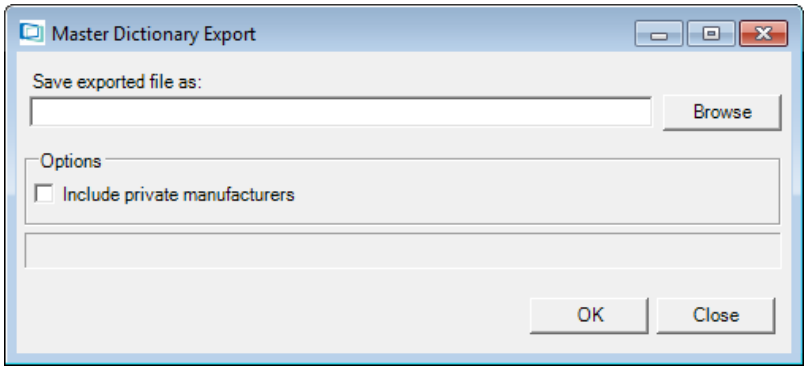

License Dashboard Data Cleanse MSI - Warning
You are about to delete the audit run '(MSI) Enterprise Client - 4/5/2014'.
All associated data with it will also be deleted.
This action cannot be rolled back.
Are you sure you wish to delete?
Yes
No

3. Click **Yes**.

Export Dictionaries

Use the Export Dictionaries task to save a copy of the changes made to your MSI Dictionary since it was imported.

1. Click **Export Dictionaries**. The Master Dictionary Export window is displayed.



2. Click **Browse**. Navigate to where you want to save the file, name it and click **Save**.
3. Select the export options.

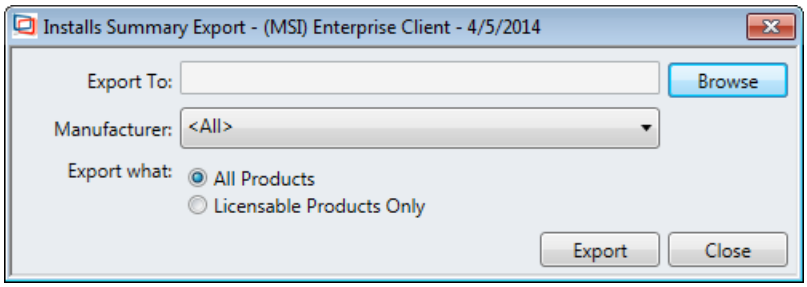
- Tick **Include private manufacturers** to include details of all manufacturers marked as private in the dictionary.

4. Click **OK**. A progress bar is displayed. A message is displayed when the task is complete.
5. Click **Close**.

Export Install Summary

Use the Export Install Summary task to export a summary of installed products in an Audit Run. This can be filtered to include only licensable products and products made by a single manufacturer. The export is saved as an XML file.

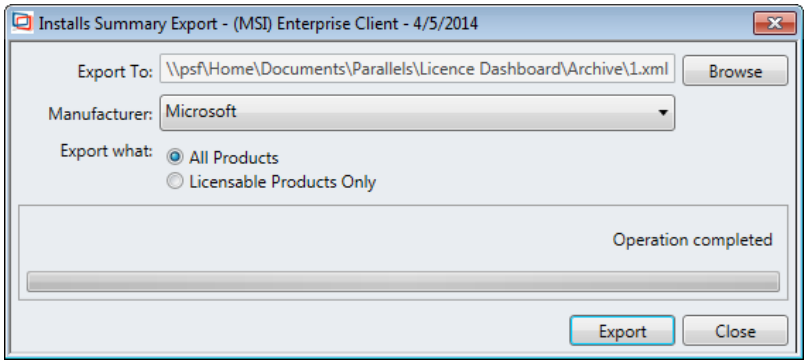
1. Select an Audit Run in the Audit Run menu.
2. Click **Export Install Summary**. The Installs Summary Export window is displayed.



3. Click **Browse**. Navigate to where you want to save the file, name it and click **Save**.
4. Select a **Manufacturer** to only export an install summary of products by the manufacturer.
5. Select the **Export What** option.

- Select **All Products** to export all products by the manufacturer.
- Select **Licensable Products Only** to export licensable products by the manufacturer.

6. Click **Export**. A progress bar is displayed. A message is displayed when the process is complete.



4. Click **Close**.

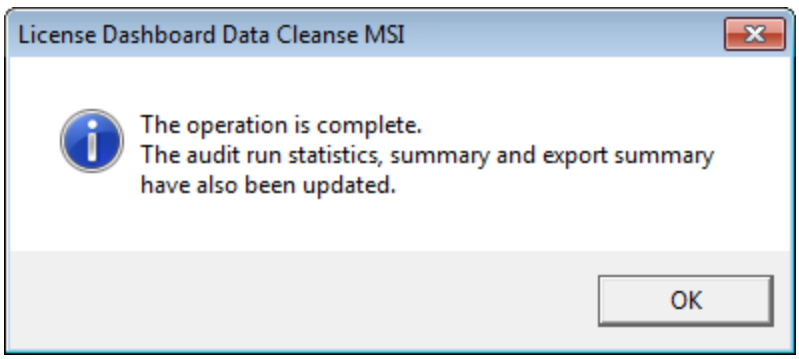
Force Signature Rematch

The Product Mapping tab is used to map MSI signatures on individual devices to products in the dictionary. Changes can also be made to MSI Signatures which have already been mapped to products in the dictionary.

Use the Force Signature Rematch task to remap all MSI signatures on all devices in the Audit Run.

- MSI signatures that have already been mapped are remapped to replicate changes made to how they have been mapped.
- Unmatched MSI signatures are remapped to replicate how the same MSI signatures have been mapped on individual devices in the Product Mapping tab.

1. Click **Force Signature Rematch**. A confirmation message is displayed.

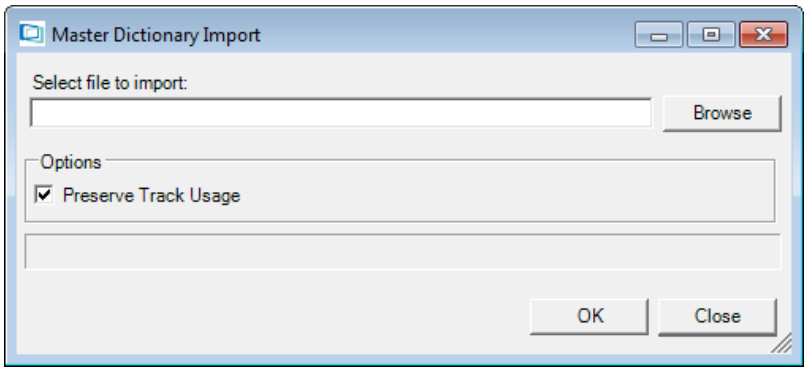

License Dashboard Data Cleanse MSI
The operation is complete.
The audit run statistics, summary and export summary have also been updated.
OK

2. Click **OK**.

Import Dictionaries

Use the Import Dictionaries task to update or replace the current Dictionaries. *Please note, this updates the dictionaries in the SQL database. This dictionary is also used by* Data Cleanse EXE *if it is connected to the same database.*

1. Click **Import Dictionaries**. The Master Dictionary Import window is displayed.



2. Click **Browse**. Navigate to where the file is saved, select it and click **Open**.
3. Select the import options.

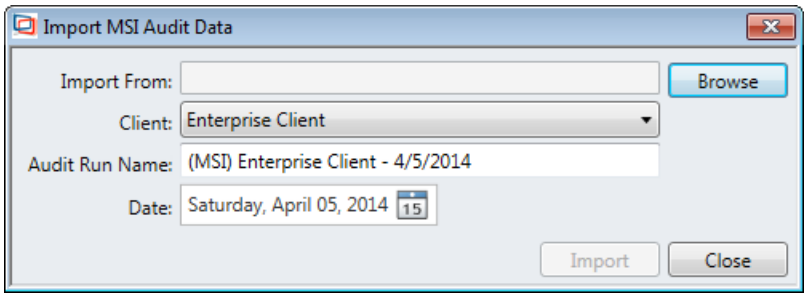
- Tick **Preserve Track Usage** to preserve the track usage settings of all products in the current dictionary.

4. Click **OK**. A progress bar is displayed. A message is displayed when the task is complete.
5. Click **Close**.

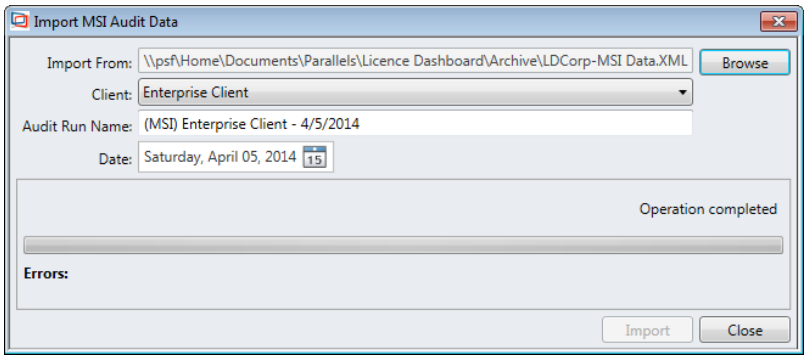
Import MSI Audit Data

Use the Import MSI Audit Data task to import raw MSI signature data extracted by a software discovery tool. The data must be saved in a .XML file format.

1. Click **Import MSI Audit Data**. The Import MSI Audit Data window is displayed.



2. Click **Browse**. Navigate to where the MSI data file is saved. Select it and click **Open**.
3. Select a **Client** from the drop down list.
4. The **Audit Run Name** is automatically generated. (MSI) is used to show this is an MSI Audit Run. The client name and date makes complete the Audit Run Name. Edit the Client and Date fields or type to change the Audit Run Name.
5. Click **Import**. The progress of the import is displayed. A message is displayed when the import is complete.



6. Click **Close**. The details of the MSI Audit Run are displayed in the Audits Tab.

Map Product

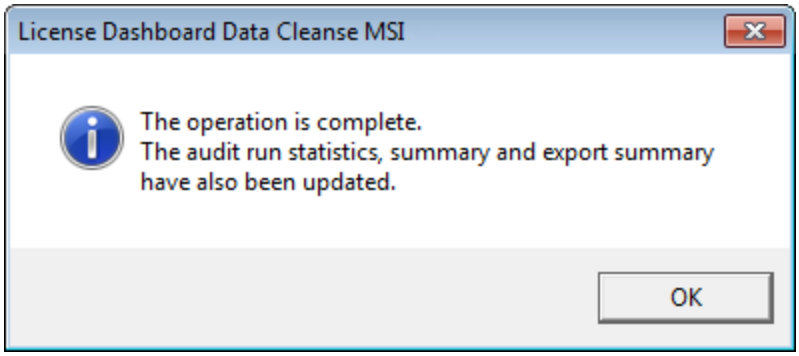
Use to Map Product task to map the MSI signature displayed in the Current Product field to the highlighted product in the Dictionary field.

1. Select a MSI signature in the Audit Products table. The details are displayed in the Current Product field. The Dictionary will display a potential product match for the MSI signature.
2. Select a product in the Dictionary field.
3. Click **Map Product**. The MSI signature is matched to the product in the dictionary as a Primary.

Match All

The Product Mapping tab is used to map MSI signatures on individual devices to products in the dictionary. Use the Match All task to replicate all mapping across all devices in the Audit Run which have the same unmapped MSI signatures.

1. Click **Match All**. A confirmation message is displayed.


License Dashboard Data Cleanse MSI
The operation is complete.
The audit run statistics, summary and export summary have also been updated.
OK

2. Click **OK**.

Refresh

Use the Refresh task to refresh the Audit Run data.

1. Click **Refresh**. The Audit Run statistics are updated.

Unmap Product

Use the Unmap Product task to unmap the MSI signature displayed in the Current Product field.

1. Click Unmap Product. The MSI signature is unmapped.

Support

Support website: www.licensedashboard.com

Telephone: 0845 265 1217

Email: info@licensedashboard.com

Address: License Dashboard Limited, Blenheim House, York Road, Pocklington, York YO42 1NS

Online resources

- Share your thoughts and views in the License Dashboard Forum. Get the latest news, development schedules and technical details. Share your wish lists and questions, and communicate with other users.

  http://www.licensedashboard.com/forums/

- Download the latest patch versions of the software, including the latest dictionary definition updates. You can log in using your forum username and password.

  http://www.licensedashboard.com/LatestDownloads/Login.aspx

- Read the latest published whitepapers on SAM and License Dashboard.

  http://www.licensedashboard.com/white-paper-request.html